

Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody

Description

| | |
|--------------------------------|---|
| Product type | Primary Antibody |
| Code | BT-AP01888 |
| Host | Rabbit |
| Isotype | IgG |
| Size | 20ul, 50ul, 100ul |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Caspase 3. AA range:157-206 |
| Mol wt | 31608 |
| Species reactivity | Human |
| Clonality | Polyclonal |
| Recommended application | WB, IF, IHC-p, ELISA |
| Concentration | 1 mg/ml |
| Full name | Cleaved-Caspase-3 p12 (D175) Antibody |
| Synonyms | CASP3; CPP32; Caspase-3; CASP-3; Apopain; Cysteine protease CPP32; CPP-32; Protein Yama; SREBP cleavage activity 1; SCA-1 |

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

CASP3 encodes caspase 3 which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. Caspase 3 cleaves and activates caspases 6, 7 and 9, and caspase 3 itself is processed by caspases 8, 9 and 10. It is the predominant caspase involved in the cleavage of amyloid-beta 4A precursor protein, which is associated with neuronal death in Alzheimer's disease. Alternative splicing of CASP3 results in two transcript variants that encode the same protein.

Recommended Dilution

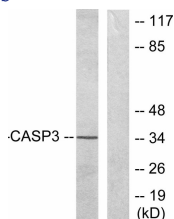
WB: 1: 500 - 2000

IHC-p: 1: 50 - 300

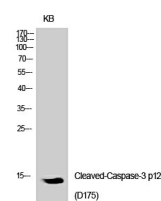
IF: 1: 50 - 300

Not yet tested in other applications.

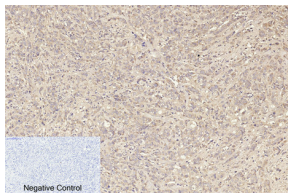
Images



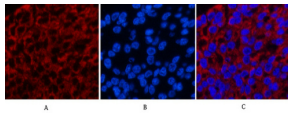
Western blot analysis of lysates from HeLa cells, treated with Etoposide 25uM 60', using Caspase 3 (Cleaved-Asp175) Antibody. The lane on the right is blocked with the synthesized peptide.



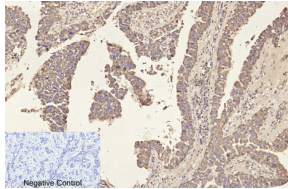
Western Blot analysis of KB cells using Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody diluted at 1:1000



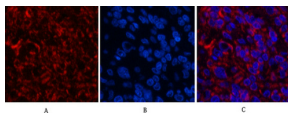
Immunohistochemical analysis of paraffin-embedded Human-breast-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



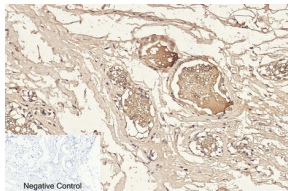
Immunofluorescence analysis of Human-liver-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



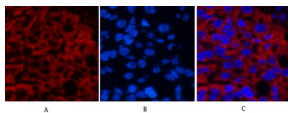
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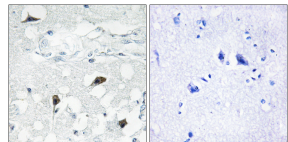
Immunofluorescence analysis of Human-lung-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



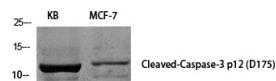
Immunohistochemical analysis of paraffin-embedded Human-breast tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



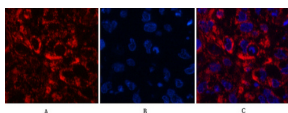
Immunofluorescence analysis of Human-liver-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



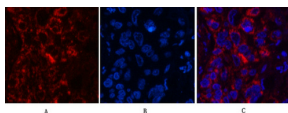
Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Caspase 3 (Cleaved-Asp175) Antibody. The picture on the right is blocked with the synthesized peptide.



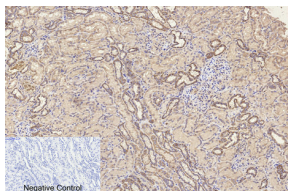
Western Blot analysis of various cells using Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody diluted at 1:1000



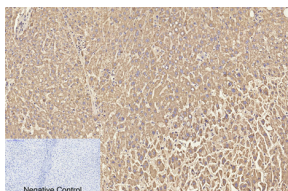
Immunofluorescence analysis of Human-lung-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



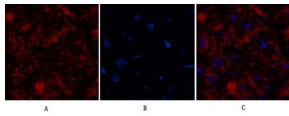
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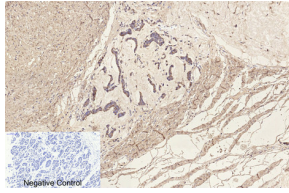
Immunohistochemical analysis of paraffin-embedded Human-kidney tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



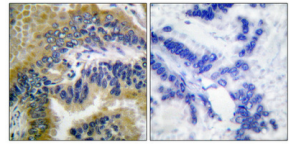
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



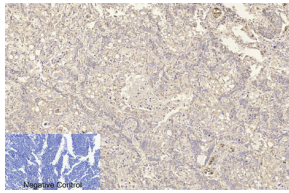
Immunofluorescence analysis of Human-kidney-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



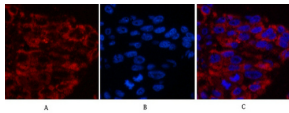
Immunohistochemical analysis of paraffin-embedded Human-stomach-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.



Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunofluorescence analysis of Human-liver-cancer tissue. 1,Cleaved-Caspase-3 p12 (D175) Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B

Storage

-20°C for one year

501 Changsheng S Rd, Nanhu Dist, Jiaxing, Zhejiang, China

Tel: 86 21 31007137 | E-mail: save@bt-laboratory.com | www.bt-laboratory.com