

Actin beta Rabbit Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP15890
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthetic Peptide of β -actin
Mol wt	41737
Species reactivity	Human, Mouse, Rat, Fish, Chicken
Clonality	Polyclonal
Recommended application	WB, IHC-p, IF, ELISA
Concentration	1 mg/ml
Full name	ACTB
Synonyms	ACTB; ACTB

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

Background

This gene encodes one of six different actin proteins. Actins are highly conserved proteins that are involved in cell motility, structure, and integrity. This actin is a major constituent of the contractile apparatus and one of the two nonmuscle cytoskeletal actins.

Recommended Dilution

IF: 1:50 - 1:200

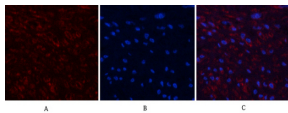
WB: 1:2000 - 1:10000

IHC: 1:100 - 1:300

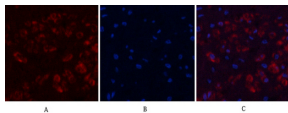
ELISA: 1:20000

Not yet tested in other applications.

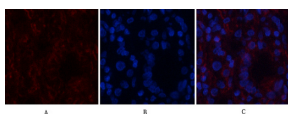
Images



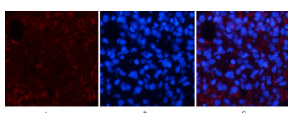
Immunofluorescence analysis of human-uterus tissue. Actin beta Polyclonal Antibody(red) was diluted at 1: 200(4°C, overnight). Cy3 labeled Secondary antibody was diluted at 1: 300 at room temperature for 50 mins. Picture B: DAPI(blue) 10 mins. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



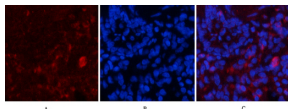
Immunofluorescence analysis of human-stomach tissue. Actin beta Polyclonal Antibody(red) was diluted at 1: 200(4°C,overnight). Cy3 labeled Secondary antibody was diluted at 1: 300 at room temperature for 50mins). Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



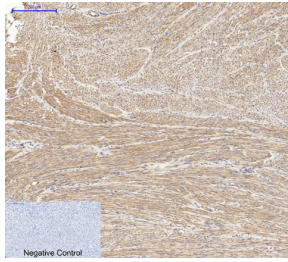
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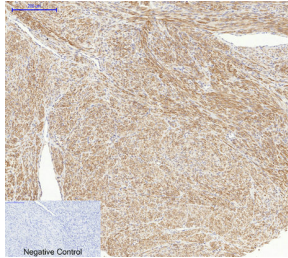
Immunofluorescence analysis of rat-lung tissue. Actin beta Polyclonal Antibody(red) was diluted at 1: 200(4°C,overnight). Cy3 labeled Secondary antibody was diluted at 1: 300 at room temperature for 50mins. Picture B: DAPI(blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B



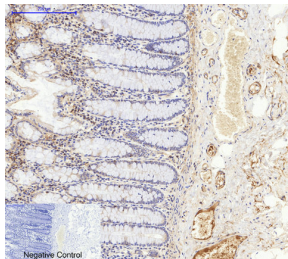
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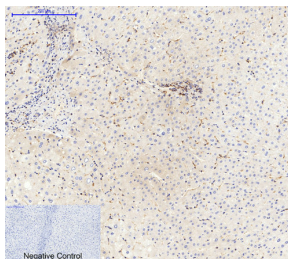
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. Actin beta Polyclonal Antibody was diluted at 1: 200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20 mins). Secondary antibody was diluted at 1: 200(room temperature, 30 mins). Negative control was used by secondary antibody only.



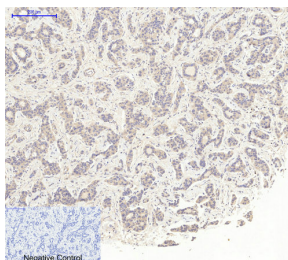
Immunohistochemical analysis of paraffin-embedded Human-uterus-cancer tissue. Actin beta Polyclonal Antibody was diluted at 1: 200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). Secondary antibody was diluted at 1: 200(room temperature, 30min). Negative control was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



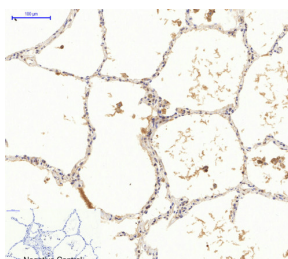
Immunohistochemical analysis of paraffin-embedded Human-colon tissue. Actin beta Polyclonal Antibody was diluted at 1: 200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20 min). Secondary antibody was diluted at 1: 200(room temperature, 30 min). Negative control was used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



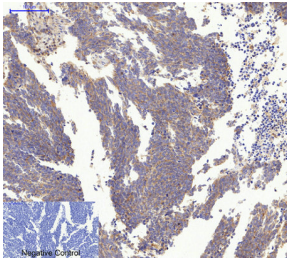
Immunohistochemical analysis of paraffin-embedded Human-liver tissue. Actin beta Polyclonal Antibody was diluted at 1:200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20 min). Secondary antibody was diluted at 1:200(room temperature, 30 min). Negative control was used by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



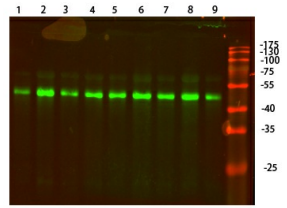
Immunohistochemical analysis of paraffin-embedded Human-liver-cancer tissue. Actin beta Polyclonal Antibody was diluted at 1: 200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20 min). Secondary antibody was diluted at 1: 200(room temperature, 30 min). Negative control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



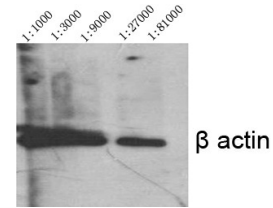
Immunohistochemical analysis of paraffin-embedded Human-lung tissue. Actin beta Polyclonal Antibody was diluted at 1: 200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C, 20 min). Secondary antibody was diluted at 1: 200(room temperature, 30 min). Negative control was used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



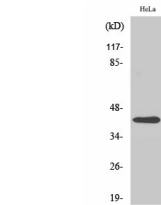
Immunohistochemical analysis of paraffin-embedded Human-lung-cancer tissue. Actin beta Polyclonal Antibody was diluted at 1: 200(4°C,overnight). Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20 min). Secondary antibody was diluted at 1: 200(room temperature, 30 min). Negative control was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



Western Blot analysis of 1, hela 2, A549 3, HEPG2 4, Mouse-brain 5, Mouse-lung 6, Mouse-liver 7, Rat-brain 8, Rat-lung 9, Rat-liver cells using primary antibody diluted at 1: 1000(4°C overnight). Secondary antibody: Goat Anti-rabbit IgG IRDye 800(diluted at 1: 5000, 25°C, 1 hour). Cell lysate was extracted by Minute™ Plasma Membrane Protein Isolation and Cell Fractionation Kit (SM-005, Inventbiotech, MN, USA).



Western Blot analysis of various cells using Actin beta Polyclonal Antibody diluted at 1: 2000



Western Blot analysis of HeLa cells using Actin beta Polyclonal Antibody diluted at 1: 2000

Storage

-20°C for 1 year

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