BT LAB
Bioassay Technology Laboratory
Optimize Your Research

EPAS-1 Polyclonal Antibody

Description

Product type	Primary Antibody
Code	BT-AP02985
Host	Rabbit
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Synthesized peptide derived from human EPAS-1 around the non-acetylation site of K385.
Mol wt	96459
Species reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Recommended application	IF, WB, IHC-p, ELISA
Concentration	1 mg/ml
Full name	EPAS-1 Antibody
Synonyms	EPAS1; BHLHE73; HIF2A; MOP2; PASD2; Endothelial PAS domain-containing protein 1; EPAS-1; Basic-helix-loop-helix-PAS protein MOP2; Class E basic helix-loop-helix protein 73; bHLHe73;HIF-1-alpha-like fa

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

Background

EPAS1 encodes a transcription factor involved in the induction of genes regulated by oxygen, which is induced as oxygen levels fall. The endothelial PAS domain protein 1 contains a basic-helix-loop-helix domain protein dimerization domain as well as a domain found in proteins in signal transduction pathways which respond to oxygen levels. Mutations in this gene are associated with erythrocytosis familial type 4.

Recommended Dilution

WB: 1: 500 - 1: 2000

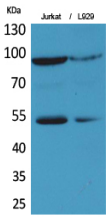
IHC-p: 1: 100 - 1: 300

ELISA: 1: 20000

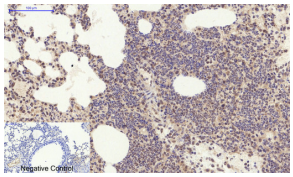
IF: 1: 50 - 200

Not yet tested in other applications.

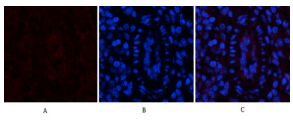
Images



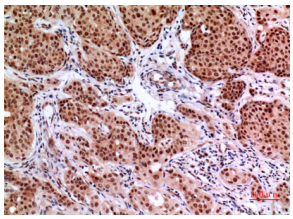
Western Blot analysis of Jurkat, L929 cells using EPAS-1 Polyclonal Antibody. Antibody was diluted at 1:500. Secondary antibody was diluted at 1:20000



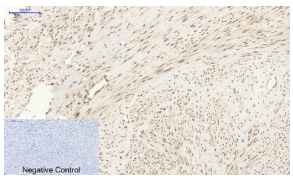
Immunohistochemical analysis of paraffin-embedded Mouse-lung tissue. 1,EPAS-1 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by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



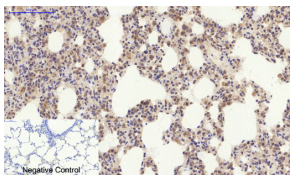
Immunofluorescence analysis of mouse-spleen tissue. 1,EPAS-1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



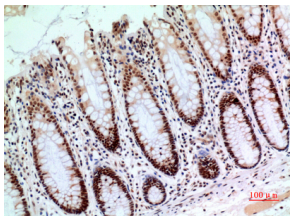
Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



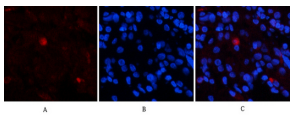
Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1,EPAS-1 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used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



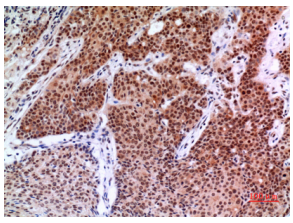
Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1,EPAS-1 Polyclonal Antibody was diluted at 1:200(4°C,overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3,Secondary antibody was diluted at 1:200(room tempeRature, 30min). Negative control was used by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



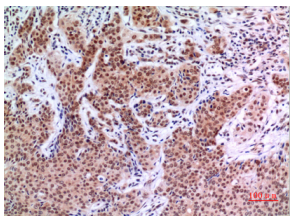
Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



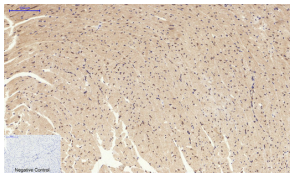
Immunofluorescence analysis of human-stomach tissue. 1,EPAS-1 Polyclonal Antibody(red) was diluted at 1:200(4°C,overnight). 2, Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3, Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



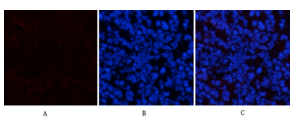
Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded human-mammary-cancer, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Mouse-heart tissue. 1,EPAS-1 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.



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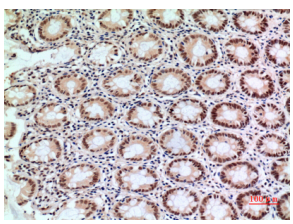
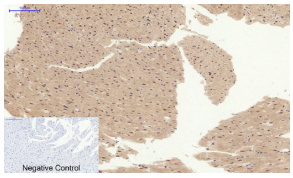
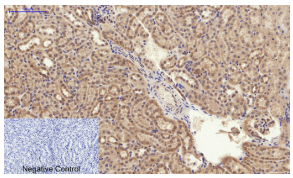


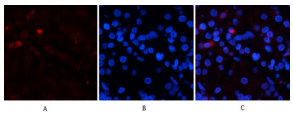
Immunohistochemical analysis of paraffin-embedded human-colon, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Rat-heart tissue. 1,EPAS-1 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 Mouse-kidney tissue. 1,EPAS-1 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.



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Storage

-20°C for one year

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