Datasheet for ABIN337195

anti-DUSP1 antibody (C-Term)

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2 Images

Overview

Quantity:	50 µg
Target:	DUSP1
Binding Specificity:	AA 87-101, C-Term
Reactivity:	Human, Rat, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DUSP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	KLH-conjugated, synthetic peptide corresponding to amino acids 87-101 (DERSAALDGAKRDGT-C) of human MAP kinase phosphatase 1 (MKP1), with a C-terminal cysteine added for conjugation purposes. The immunizing sequence is identical in rat and mouse. Percent identity by BLAST analysis: Human, Gorilla, Marmoset, Rat, Dog (100%), Monkey, Mouse, Panda, Bovine, Rabbit (93%), Hamster, Pig (87%), Elephant (80%). Type of Immunogen: Synthetic peptide - KLH conjugated
Isotype:	IgG
Specificity:	Recognizes human MKP1, Mr ~42kD. Species cross-reactivity: mouse. Predicted to cross-react

Product Details

	with rat based on sequence homology.
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Gorilla, Marmoset, Rat, Dog (100%) Monkey, Mouse, Panda, Bovine, Rabbit (93%) Hamster, Pig (87%) Elephant (80%).
Purification:	Protein A purified

Target Details

Target:	DUSP1
Alternative Name:	MKP-1 / DUSP1 (DUSP1 Products)
Background:	Name/Gene ID: DUSP1 Subfamily: Dual specificity MKP Family: Protein Phosphatase Synonyms: DUSP1, 3CH134, Dual specificity phosphatase 1, ERK-inactivating phosphatase, HVH1, MAP kinase phosphatase 1, VH1, PTPN10, CL100, MKP-1, MKP1
Gene ID:	1843
UniProt:	P28562

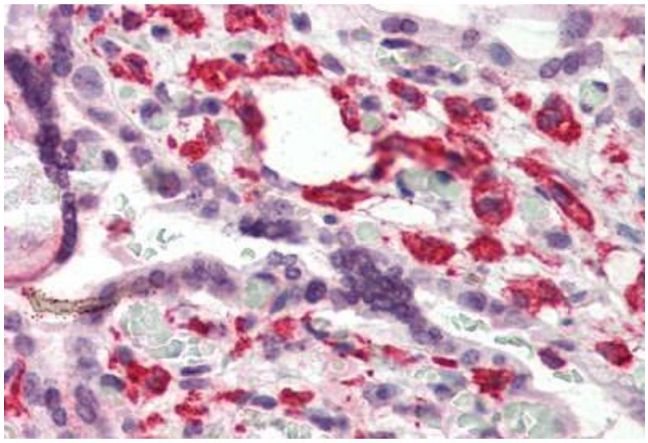
Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB (0.1 - 1 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL. Western Blot: 0.1-1 µg/mL detects MKP1 in RIPA lysates from 3T3/A31 cells. 3T3/A31 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with anti-MKP1 (0.3 µg/mL).
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

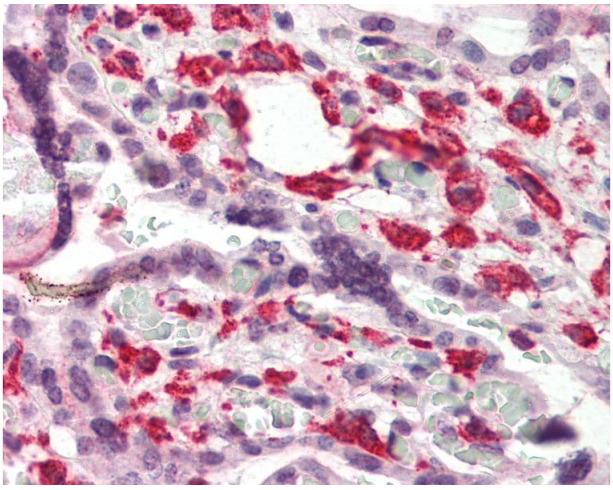
Format:	Liquid
Concentration:	Lot specific
Buffer:	0.1 M Tris-glycine, pH 7.4, 0.15 M sodium chloride, 0.05 % sodium azide, before the addition of glycerol to 30 %
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C,-20 °C
Storage Comment:	Short term: 4°C. Long term: Store at -20°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Placenta (formalin-fixed, paraffin-embedded) stained with DUSP1 antibody ABIN337195 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-DUSP1 antibody IHC of human placenta. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.

