

Rabbit DUSP1/MKP1 Polyclonal Antibody | anti-DUSP1/MKP1 antibody

Phospho-DUSP1/MKP1 (Ser359) Antibody

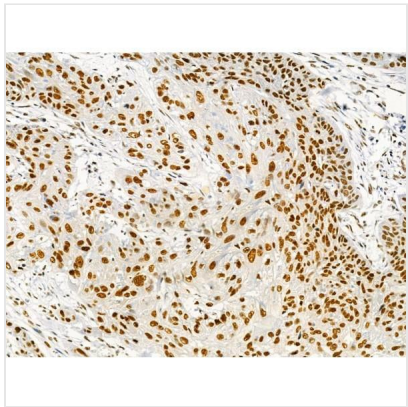
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31363	Rabbit	Human, Mouse Predicted Reactivity: Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)	Western Blot, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

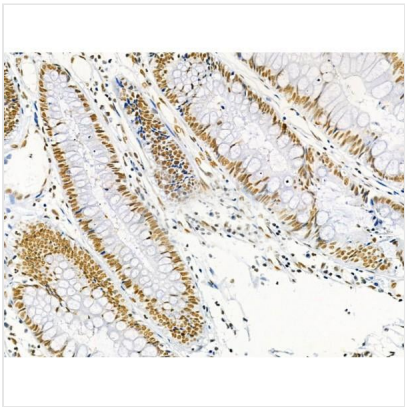
DUSP1/MKP1; Polyclonal Antibody; Phospho-DUSP1/MKP1 (Ser359) Antibody; CL 100; CL100; Dual Specificity Phosphatase 1; Dual specificity protein phosphatase 1; Dual specificity protein phosphatase hVH1; DUS1_HUMAN; DUSP 1; Dusp1; HVH1; MAP kinase phosphatase 1; Mitogen-activated protein kinase phosphatase 1; MKP-1; MKP1; Protein tyrosine phosphatase CL100; Protein-tyrosine phosphatase CL100; PTPN10; Serine/threonine specific protein phosphatase; VH1; anti-DUSP1/MKP1 antibody

PRODUCT SPECIFICATIONS

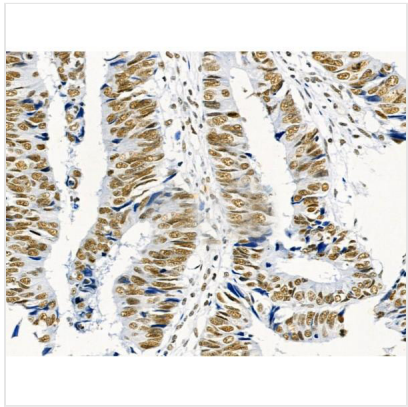
Host	Rabbit
Reactivity	Human, Mouse Predicted Reactivity: Pig (100%), Zebrafish (92%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (92%)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Phospho-DUSP1/MKP1 (Ser359) Antibody detects endogenous levels of DUSP1/MKP1 only when phosphorylated at Ser359. Tissue Specificity: Expressed at high levels in the lung, liver placenta and pancreas. Moderate levels seen in the heart and skeletal muscle. Lower levels found in the brain and kidney.
Purity/Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-DUSP1/MKP1 antibody	WB (Western Blot), IHC (Immunohistochemistry), ELISA (Peptide ELISA)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 Peptide ELISA: 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human DUSP1/MKP1 around the phosphorylation site of Ser359.
Conjugation	Unconjugated
Fragment	Fab fragment
Post Translational Modifications	Phosphorylation at Ser-359 and Ser-364 by MAPK1/ERK2 and MAPK3/ERK1 reduces its rate of degradation.
Similarity	Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily.
Subcellular Location	Nucleus.
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



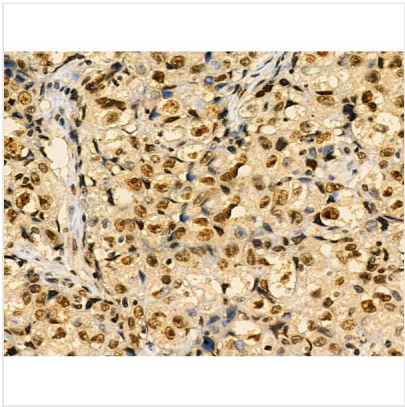
IHC (Immunohistochemistry)
At 1/100 staining Human esophageal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



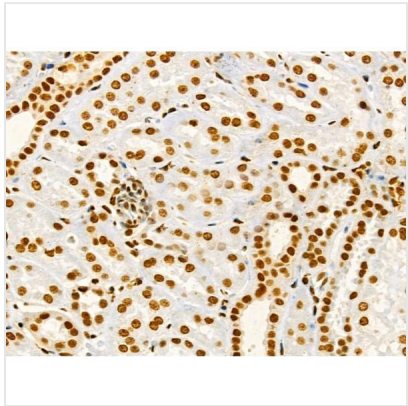
IHC (Immunohistochemistry)
At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



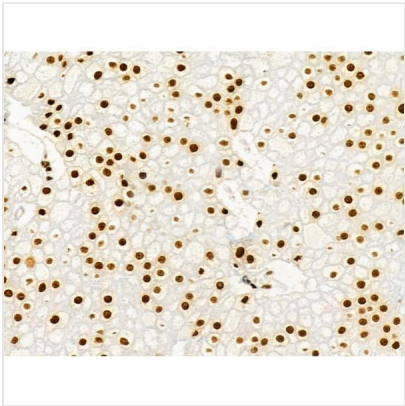
IHC (Immunohistochemistry)
At 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Human mammary cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
At 1/100 staining Human kidney cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4 degree C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-DUSP1/MKP1 antibody	Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-183' and 'Tyr-185', regulating its activity during the meiotic cell cycle.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4758204
NCBI GeneID	1843
NCBI Accession #	NP_004408.1
NCBI GenBank Nucleotide #	NM_004417.3
UniProt Accession #	P28562; Q2V508; D3DQL9
Molecular Weight	39,298 Da
NCBI Official Full Name	dual specificity protein phosphatase 1
NCBI Official Synonym Full Names	dual specificity phosphatase 1
NCBI Official Symbol	DUSP1
NCBI Official Synonym Symbols	HVH1; MKP1; CL100; MKP-1; PTPN10
NCBI Protein Information	dual specificity protein phosphatase 1; MAP kinase phosphatase 1; protein-tyrosine phosphatase CL100; dual specificity protein phosphatase hVH1; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 1
UniProt Protein Name	Dual specificity protein phosphatase 1
UniProt Gene Name	DUSP1
UniProt Synonym Gene Names	CL100; MKP1; PTPN10; VH1; MAP kinase phosphatase 1; MKP-1
UniProt Entry Name	DUS1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dusp1-mkp1-antibody-western-blot-immunohistochemistry-peptide-elisa-elisa/31363>