

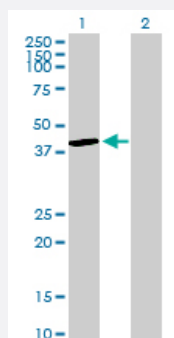
MaxPab®

DUSP4 purified MaxPab rabbit polyclonal antibody (D01P)

Catalog # H00001846-D01P

Size 100 ug

Applications

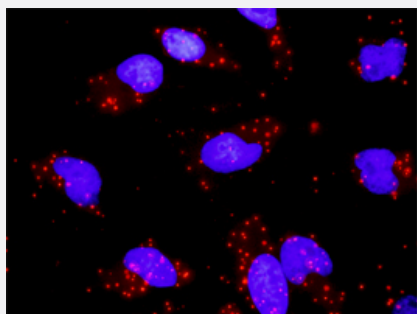


Western Blot (Transfected lysate)

Western Blot analysis of DUSP4 expression in transfected 293T cell line ([H00001846-T01](#)) by DUSP4 MaxPab polyclonal antibody.

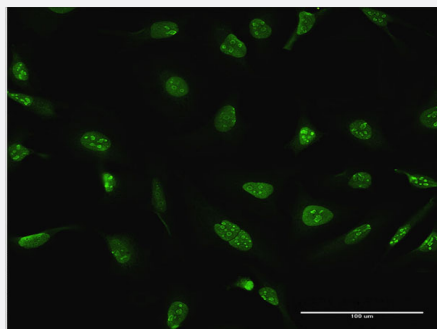
Lane 1: DUSP4 transfected lysate(43.00 KDa).

Lane 2: Non-transfected lysate.



In situ Proximity Ligation Assay (Cell)

Proximity Ligation Analysis of protein-protein interactions between DUSP4 and MAPK9. HeLa cells were stained with anti-DUSP4 rabbit purified polyclonal 1:1200 and anti-MAPK9 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DUSP4 on HeLa cell. [antibody concentration 10 ug/ml]

Specification

Product Description

Rabbit polyclonal antibody raised against a full-length human DUSP4 protein.

Immunogen	DUSP4 (NP_001385.1, 1 a.a. ~ 394 a.a) full-length human protein.
Sequence	MVTMEELREMDCSVLKRLMNRDENGSGGAGGSGSHGTLGLPSGGKCLLLDCRPFLAHSAGYILG SVNVRCNTVRRRAKGSVSLEQILPAEEEEVRARLRSGLYSAVIVYDERSPRAESLREDSTVSLVVQ ALRRNAERTDICLLKGGYERFSSEYPEFCSTKALAAIPPPVPPSATEPLDLGCSSCGTPLHDQG GPVEILPFLYLGSAYHAARRDMLDALGITALLNVSSDCPNHFEGHYQYKCIPVEDNHKADISSWFM EAIEYIDAVKDCRGRVLVHCQAGISRSATICLAYLMMKKRVRLLEEAFEFVKQRRSIISPNSFMGQL LQFESQVLATSCAAEAASPSGPLRERGKTPATPTSQFVFSFPVSVGVHSAPSSLPYLHSPITTSP SC
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (95); Rat (96)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

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[Protocol Download](#)

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- Immunofluorescence

Immunofluorescence of [purified](#) MaxPab antibody to DUSP4 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — DUSP4

Entrez GeneID

[1846](#)

GeneBank Accession#	NM_001394
Protein Accession#	NP_001385.1
Gene Name	DUSP4
Gene Alias	HVH2, MKP-2, MKP2, TYP
Gene Description	dual specificity phosphatase 4
Omim ID	602747
Gene Ontology	Hyperlink
Gene Summary	<p>The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product inactivates ERK1, ERK2 and JNK, is expressed in a variety of tissues, and is localized in the nucleus. Two alternatively spliced transcript variants, encoding distinct isoforms, have been observed for this gene. In addition, multiple polyadenylation sites have been reported. [provided by RefSeq]</p>
Other Designations	MAP kinase phosphatase 2[VH1 homologous phosphatase 2]serine/threonine specific protein phosphatase

Pathway

- [MAPK signaling pathway](#)