

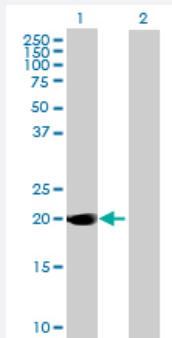
MaxPab®

## DUSP14 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00011072-B01P

Size 50 ug

### Applications

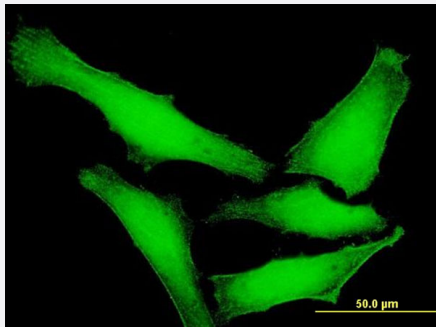


#### Western Blot (Transfected lysate)

Western Blot analysis of DUSP14 expression in transfected 293T cell line ([H00011072-T01](#)) by DUSP14 MaxPab polyclonal antibody.

Lane 1: DUSP14 transfected lysate(21.78 KDa).

Lane 2: Non-transfected lysate.



#### Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DUSP14 on HeLa cell. [antibody concentration 10 ug/ml]

### Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DUSP14 protein.
Immunogen	DUSP14 (NP_008957.1, 1 a.a. ~ 198 a.a) full-length human protein.
Sequence	MSSRGHSTLPRTLMAAPRMISEGDIGGIAQITSSLFLGRGSVASNRHLLQARGITCVNATIEIPNFNWP QFEYVKVPLADMPHAPIGLYFDTVADKIHSVSRKHGATLVHCAAGVSRSATLCIAYLMKFHNVCLL EAYNWVKARRPVIRPNVGFWRQLIDYERQLFGKSTVKMVQTPYGVDPVYEKESRHLMPYWGI
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (93); Rat (94)
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.

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[Protocol Download](#)

- Immunofluorescence

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## Gene Info — DUSP14

Entrez GeneID	<a href="#">11072</a>
GeneBank Accession#	<a href="#">NM_007026.1</a>
Protein Accession#	<a href="#">NP_008957.1</a>
Gene Name	DUSP14
Gene Alias	MKP-L, MKP6
Gene Description	dual specificity phosphatase 14
Omim ID	<a href="#">606618</a>
Gene Ontology	<a href="#">Hyperlink</a>

**Gene Summary**

In addition to antigen recognition by the T-cell receptor, T-cell activation requires a second signal from a costimulatory receptor, such as CD28 (MIM 186760), which interacts with B7-1 (CD80; MIM 112203) and B7-2 (CD86; MIM 601020) ligands on antigen-presenting cells. CD28 costimulation induces transcription of interleukin-2 (IL2; MIM 147680) and stabilizes newly synthesized IL2 through the activation of mitogen-activated protein kinases (MAPKs), such as ERK (e.g., MAP2K4; MIM 601335) and JNK (see MIM 601158), and the subsequent creation of AP1 transcription factor (see MIM 165160). DUSP14 is a negative regulator of CD28 signaling.[supplied by OMIM]

**Other Designations**

MKP-1 like protein tyrosine phosphatase|OTTHUMP00000164064|OTTHUMP00000164065

**Pathway**

- [MAPK signaling pathway](#)