

DUSP14 polyclonal antibody

Catalog # PAB6115

Size 100 ug

Specification

Product Description	Goat polyclonal antibody raised against synthetic peptide of DUSP14.
Immunogen	A synthetic peptide corresponding to human DUSP14.
Sequence	CEKESRHLMPYWGI
Host	Goat
Theoretical MW (kDa)	22.3
Form	Liquid
Purification	Antigen affinity purification
Concentration	0.5 mg/mL
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	ELISA (1:32000) The optimal working dilution should be determined by the end user.
Storage Buffer	In Tris saline, pH 7.3 (0.5% BSA, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Enzyme-linked Immunoabsorbent Assay

Gene Info — DUSP14

Entrez GeneID [11072](#)

Protein Accession# [NP_008957.1](#)

Gene Name DUSP14

Gene Alias MKP-L, MKP6

Gene Description dual specificity phosphatase 14

Omim ID [606618](#)

Gene Ontology [Hyperlink](#)

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

Publication Reference

- [Negative-feedback regulation of CD28 costimulation by a novel mitogen-activated protein kinase phosphatase, MKP6.](#)

Marti F, Krause A, Post NH, Lyddane C, Dupont B, Sadelain M, King PD.

Journal of Immunology 2001 Jan; 166(1):197.

Pathway

- [MAPK signaling pathway](#)