

MaxPab®

DUSP2 purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00001844-B01P

Size 500 ug

Specification

Product Description	Mouse polyclonal antibody raised against a full-length human DUSP2 protein.
Immunogen	DUSP2 (ACE87730.1, 1 a.a. ~ 314 a.a) full-length human protein.
Sequence	MGLEAARELECAALGTLRDPREAERTLLDLCRPFLAFCRRHVRAARPVPWNALLRRRARGPPA AVLACLLPDRALRTRLVRGELARAVVLDEGSASVAELRPDSPAHVLLAALLHETRAGPTAVYFLR GGFDGFQGCCPDLCSEAPAPALPPTGDKTSRSDSRAPVYDQGGPVEILPYLFLGSCSHSSDLQ GLQACGITAVLNVASASCPNHFEGLFYKSIPIVEDNQMVESAWFQEAGFIDWVKNSGGRVLVHC QAGISRSATICLAYLMQSRVRRLDEAFDFVKQRRGVISPNSFMGQLLQFETQVLCH
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (88); Rat (89)
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)

[Protocol Download](#)

Gene Info — DUSP2

Entrez GeneID

[1844](#)

GeneBank Accession#	EU832639.1
Protein Accession#	ACE87730.1
Gene Name	DUSP2
Gene Alias	PAC-1, PAC1
Gene Description	dual specificity phosphatase 2
Omim ID	603068
Gene Ontology	Hyperlink
Gene Summary	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 and ERK2, is predominantly expressed in hematopoietic tissues, and is localized in the nucleus. [provided by RefSeq]
Other Designations	dual-specificity phosphatase 2 serine/threonine specific protein phosphatase

Pathway

- [MAPK signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Inflammation](#)
- [Lymphoma](#)