

DNAxPAb

Hard-to-Find
Antibody

DUSP10 DNAxPAb

Catalog # H00011221-W01P Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DUSP10 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MQRLNIGYVINVTTHLPLYHYEKGLFNYKRLPATDSNKQNLQRQYFEEAFEFIEEAHQCGKGLLIHCQAGVSRSATVIAYLMKHTRMTMTDAYKFVKGKRPIISPNLNFMGQLLEFEEDLNNGVTPRILTPKLMGVETVV
Host	Rabbit
Reactivity	Human
Purification	Protein A
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](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — DUSP10

Entrez GeneID [11221](#)

GeneBank Accession# [BC020608](#)

Protein Accession# [AAH20608](#)

Gene Name DUSP10

Gene Alias MKP-5, MKP5

Gene Description dual specificity phosphatase 10

Omim ID [608867](#)

Gene Ontology [Hyperlink](#)

Gene Summary

Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAPK superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAPKs, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK, but not MAPK/ERK. Its subcellular localization is unique; it is evenly distributed in both the cytoplasm and the nucleus. This gene is widely expressed in various tissues and organs, and its expression is elevated by stress stimuli. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000035380|dual specificity phosphatase MKP-5|map kinase phosphatase 5|serine/threonine specific protein phosphatase

Pathway

- [MAPK signaling pathway](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Tobacco Use Disorder](#)