

## Anti-DUSP6 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

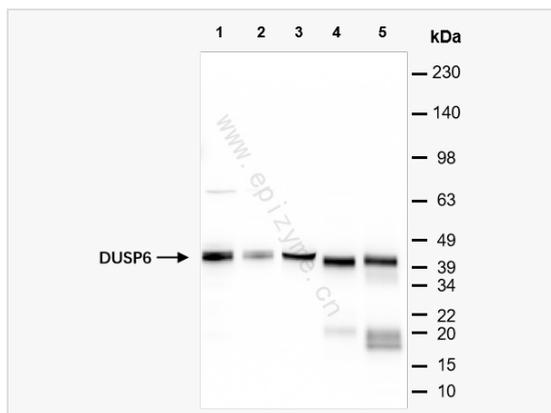
Catalog # R014206

### Product Information

Application	ELISA, IHC-P/IF (Tissue-P), WB
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	22M02S74
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human DUSP6
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-DUSP6 Rabbit mAb [22M02S74] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Dual specificity phosphatase 6, Dual specificity phosphatase 6 isoform a, Dual specificity protein phosphatase 6, Dual specificity protein phosphatase PYST1, DUS6_HUMAN, DUSP 6, DUSP 6a, Dusp6, DUSP6a, HH19, MAP kinase phosphatase 3, Mitogen activated protein kinase phosphatase 3, Mitogen-activated protein kinase phosphatase 3, MKP 3, MKP-3, MKP3, PYST 1, PYST1, Serine/threonine specific protein phosphatase.
Calculated MW	Calculated MW: 42 kDa; Observed MW: 42 kDa
Uniprot ID	Q16828
Gene ID	1848
Background	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 ERK2, is expressed in a variety of tissues with the highest levels in heart and pancreas, and unlike most other members of this family, is localized in the cytoplasm. Mutations in this gene have been associated with congenital hypogonadotropic hypogonadism. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jan 2014]
Cellular Location	Cytoplasm.



Western Blot - Anti-DUSP6 Rabbit mAb [22M02S74]

All lanes: R014206 at 1:1,000 dilution

Lane 1: Raw264.7 (Mouse mononuclear macrophage leukemia cell) whole cell lysates

Lane 2: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 3: Rat muscle whole tissue lysates

Lane 4: Rat spleen whole tissue lysates

Lane 5: Mouse small intestine whole tissue lysates

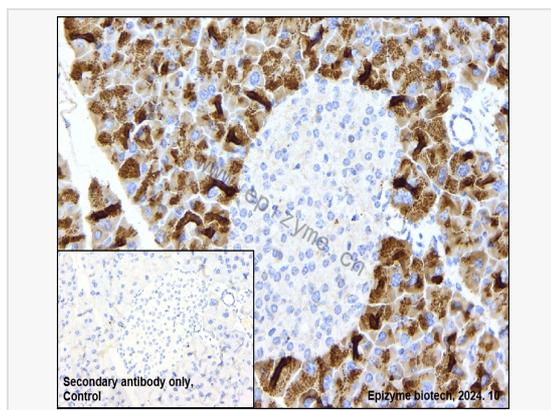
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 42 kDa

Observed band size: 42 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-DUSP6 Rabbit mAb [22M02S74]

Sample: Paraformaldehyde-fixed, paraffin embedded mouse pancreas tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R014206 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.