



Rabbit Anti-DUSP6 monoclonal antibody, clone TS40-10 (CABT-L577)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	DUSP6
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TS40-10
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP, FC
Molecular Weight	42 kDa
Cellular Localization	Cytoplasm.
Positive Control	PC-12, NIH/3T3, Hela, mouse pancreas tissue, human gastric carcinoma tissue, human pancreas tissue, mouse brain tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.

Preservative	0.05% Sodium Azide
Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	<p>Mitogen-activated protein (MAP) kinases are a large class of proteins involved in signal transduction pathways that are activated by a range of stimuli and mediate a number of physiological and pathological changes in the cell. Dual specificity phosphatases (DSPs) are a subclass of the protein tyrosine phosphatase (PTP) gene superfamily, which are selective for dephosphorylating critical phosphothreonine and phosphotyrosine residues within MAP kinases. DSP gene expression is induced by a host of growth factors and/or cellular stresses, thereby negatively regulating MAP kinase superfamily members including MAPK/ERK, SAPK/JNK and p38. The members of the dual-specificity phosphatase protein family include MKP-1/CL100 (3CH134), VHR, PAC1, MKP-2, hVH-3 (B23), hVH-5, MKP-3, MKP-X, and MKP-4. Human MKP-3 maps to chromosome 12q22-q23 and encodes a 381 amino acid protein that specifically inactivates members of the ERK family and is expressed in a variety of tissues with the highest levels in heart and pancreas.</p>
Keywords	<p>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 antibody</p>