



# 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

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

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

## BACKGROUND

<b>Introduction</b>	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.
<b>Keywords</b>	Dual specificity phosphatase 6;Dual specificity phosphatase 6 isoform a;Dual specificity protein phosphatase 6;Dual specificity protein phosphatase PYST1;DUSP6_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