



# Anti-DUSP16 monoclonal antibody (DCABH-11341)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The activation of mitogen-activated protein kinase (MAPK) cascades transduces various extracellular signals to the nucleus to induce gene expression, cell proliferation, differentiation, cell cycle arrest, and apoptosis. For full activation of MAPKs, dual-specificity kinases phosphorylate both threonine and tyrosine residues in MAPK TXY motifs. MKPs are dual-specificity phosphatases that dephosphorylate the TXY motif, thereby negatively regulating MAPK activity.
<b>Immunogen</b>	A synthetic peptide of human DUSP16 is used for rabbit immunization.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Protein A
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Western Blot (Transfected lysate); ELISA
<b>Buffer</b>	In 1x PBS, pH 7.4
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DUSP16 dual specificity phosphatase 16 [ Homo sapiens ]</a>
<b>Official Symbol</b>	DUSP16
<b>Synonyms</b>	DUSP16; dual specificity phosphatase 16; dual specificity protein phosphatase 16; KIAA1700; MAPK phosphatase 7; MKP 7; MKP7; MAPK phosphatase-7; MAP kinase phosphatase 7; mitogen-activated protein kinase phosphatase 7; MKP-7; FLJ36298; FLJ40991; MGC129701; MGC129702;
<b>Entrez Gene ID</b>	<a href="#">80824</a>
<b>Protein Refseq</b>	<a href="#">NP_085143</a>
<b>UniProt ID</b>	<a href="#">A0A024RAR2</a>
<b>Chromosome Location</b>	12p13
<b>Pathway</b>	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Regulation of p38-alpha and p38-beta, organism-specific biosystem;
<b>Function</b>	MAP kinase tyrosine/serine/threonine phosphatase activity; MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity;