



# Human DUSP10 blocking peptide (CDBP1069)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Blocking/Immunizing peptide for anti-DUSP10/MKP5 antibody
<b>Antigen Description</b>	Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAP kinases, different tissue distribution and subcellular localization, and different modes of expression induction by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK. Alternative splicing results in multiple transcript variants.
<b>Species</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Apuri, BL, ELISA
<b>Format</b>	Lyophilized powder
<b>Size</b>	100 µg
<b>Preservative</b>	None
<b>Storage</b>	Shipped at ambient temperature, store at -20°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DUSP10 dual specificity phosphatase 10 [ Homo sapiens ]</a>
<b>Official Symbol</b>	DUSP10
<b>Synonyms</b>	DUSP10; dual specificity phosphatase 10; dual specificity protein phosphatase 10; MKP 5;

MKP5; map kinase phosphatase 5; dual specificity phosphatase MKP-5; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 5; MKP-5;

Entrez Gene ID	<a href="#">11221</a>
mRNA Refseq	<a href="#">NM_007207</a>
Protein Refseq	<a href="#">NP_009138</a>
UniProt ID	Q9Y6W6
Chromosome Location	1q41
Pathway	ATF-2 transcription factor network, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem; Regulation of p38-alpha and p38-beta, organism-specific biosystem;
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity;