



# Human DUSP14 blocking peptide (CDBP1070)

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-DUSP14/MKP6 antibody
<b>Antigen Description</b>	Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP14 contains the consensus DUSP C-terminal catalytic domain but lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).
<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="#">DUSP14 dual specificity phosphatase 14 [ Homo sapiens ]</a>
<b>Official Symbol</b>	DUSP14
<b>Synonyms</b>	DUSP14; dual specificity phosphatase 14; dual specificity protein phosphatase 14; MKP 1 like

protein tyrosine phosphatase; MKP L; MKP6; MKP-6; MAP kinase phosphatase 6; MKP-1 like  
protein tyrosine phosphatase; MKP-1-like protein tyrosine phosphatase; mitogen-activated  
protein kinase phosphatase 6; MKP-L;

Entrez Gene ID	<a href="#">11072</a>
mRNA Refseq	<a href="#">NM_007026</a>
Protein Refseq	<a href="#">NP_008957</a>
UniProt ID	O95147
Chromosome Location	17q12
Pathway	Hypertrophy Model, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;