



# Mouse anti-Human DUSP9 polyclonal antibody (DPAB-DC795)

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

## PRODUCT INFORMATION

**Antigen Description** The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product shows selectivity for members of the ERK family of MAP kinases, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus.

**Immunogen** DUSP9 (NP\_001386, 174 a.a. ~ 278 a.a) partial recombinant protein with GST tag. The sequence is  
 AESEADRDSMSCGLDSEGATPPPVGLRASFPVQILPNLYLGSARDSANLES LAKLGIRYI  
 LNVTPNLPNFFKNGDFHYKQIPISDHWSQNLRSRFFPEAIEFIDE

**Source/Host** Mouse

**Species Reactivity** Human

**Conjugate** Unconjugated

**Applications** WB (Recombinant protein), ELISA,

**Size** 50 µl

**Buffer** 50 % glycerol

**Preservative** None

**Storage**

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">DUSP9 dual specificity phosphatase 9 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	DUSP9
<b>Synonyms</b>	DUSP9; dual specificity phosphatase 9; MKP4; MKP-4; dual specificity protein phosphatase 9; map kinase phosphatase 4; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 4;
<b>Entrez Gene ID</b>	<a href="#">1852</a>
<b>Protein Refseq</b>	<a href="#">NP_001386</a>
<b>UniProt ID</b>	<a href="#">B2RAL9</a>
<b>Chromosome Location</b>	Xq28
<b>Pathway</b>	MAPK signaling pathway;
<b>Function</b>	MAP kinase tyrosine/serine/threonine phosphatase activity; phosphoprotein phosphatase activity; protein binding; protein tyrosine phosphatase activity