



# Elmo1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-04297
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	ELMO1
<b>Protein Name</b>	Engulfment and cell motility protein 1
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Elmo1. AA range:22-71
<b>Specificity</b>	Elmo1 Polyclonal Antibody detects endogenous levels of Elmo1 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	ELMO1; KIAA0281; Engulfment and cell motility protein 1; Protein ced-12 homolog
<b>Observed Band</b>	83kD
<b>Cell Pathway</b>	Cytoplasm. Cell membrane. Translocation to plasma membrane seems to be mediated by DOCK1 and CRK.
<b>Tissue Specificity</b>	Widely expressed, with a higher expression in the spleen and placenta.
<b>Function</b>	function:Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Acts in association with DOCK1 and CRK. Was initially proposed to be required in complex with DOCK1 to activate Rac Rho small GTPases. May enhance the guanine nucleotide exchange factor (GEF) activity of DOCK1.,PTM:Phosphorylated by HCK.,similarity:Contains 1 ELMO domain.,similarity:Contains 1 PH domain.,subcellular location:Translocation to plasma membrane seems to be mediated by DOCK1 and CRK.,subunit:Interacts with BAI1 (By similarity). Interacts directly with the SH3-domain of DOCK1 via its SH3-binding site. Part of a complex with DOCK1 and RAC1. Part of a complex with DOCK1 and CRK isoform CRK-II. Interacts with PLEKHG6.,tissue specificity:Widely expressed, with a higher expression in the spleen and placenta.,



### Background

This gene encodes a member of the engulfment and cell motility protein family. These proteins interact with dedicator of cytokinesis proteins to promote phagocytosis and cell migration. Increased expression of this gene and dedicator of cytokinesis 1 may promote glioma cell invasion, and single nucleotide polymorphisms in this gene may be associated with diabetic nephropathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013],

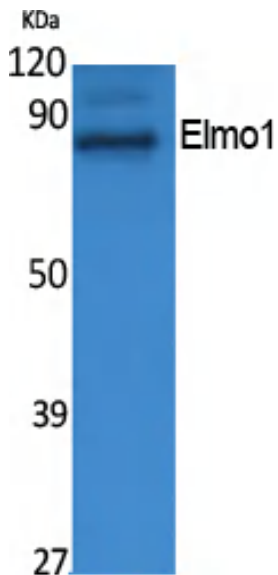
### matters needing attention

Avoid repeated freezing and thawing!

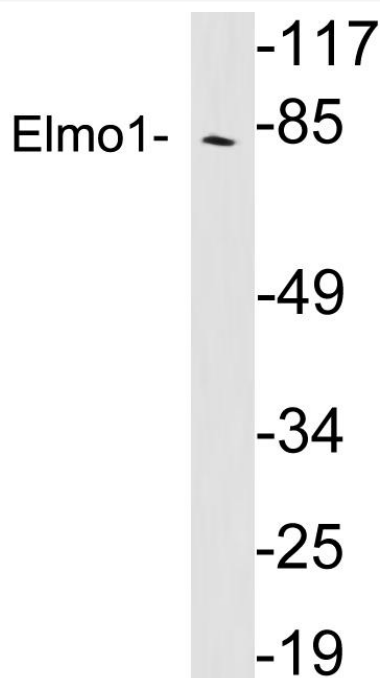
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis of extracts from NIH-3T3 cells, using Elmo1 Polyclonal Antibody. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



Western blot analysis of lysates from Jurkat cells, using Elmo1 antibody.