

Product name:	Elmo1 Rabbit Polyclonal Antibody
Cat number:	ABN10412
Conjugate:	Unconjugated
Size:	100µL
Clone:	Polyclonal
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Elmo1. AA range:22-71
Reactivity:	Human,Mouse
Applications:	WB 1:500-1:2000,ELISA 1:10000-1:20000
Molecular Weight:	83kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Storage:	Store at 4°C short term. Aliquot and store at -20°C for 12 months. Avoid freeze/thaw cycles.

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],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.,