

Rabbit Elmo1 Polyclonal Antibody | anti-Elmo1 antibody

Elmo1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA327510	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

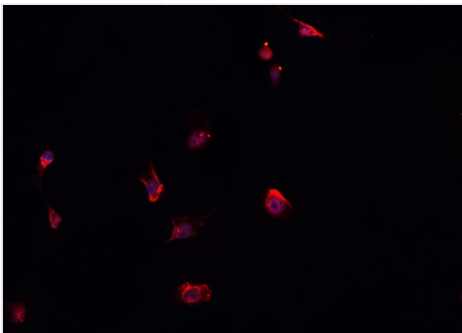
PRODUCT SYNONYMS

Elmo1; Polyclonal Antibody; Elmo1 Antibody; CED 12; Ced 12 homolog 1; Ced 12 homolog; CED-12; CED12; Ced12 homolog 1; Ced12 homolog; ELMO 1; ELMO-1; ELMO1_HUMAN; Engulfment and cell motility 1; Engulfment and cell motility protein 1; KIAA0281; MGC126406; Protein ced-12 homolog; anti-Elmo1 antibody

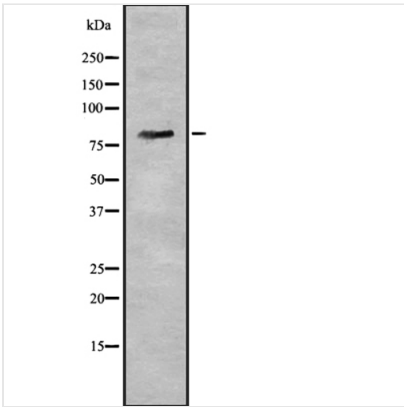
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Elmo1 antibody detects endogenous levels of total Elmo1
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	247
Applicable Applications for anti-Elmo1 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Elmo1
Subcellular Location	Cytoplasm. Cell Membrane. Translocation to plasma membrane seems to be mediated by DOCK1 and CRK.
Tissue Specificity	Widely expressed, with a higher expression in the spleen and placenta.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

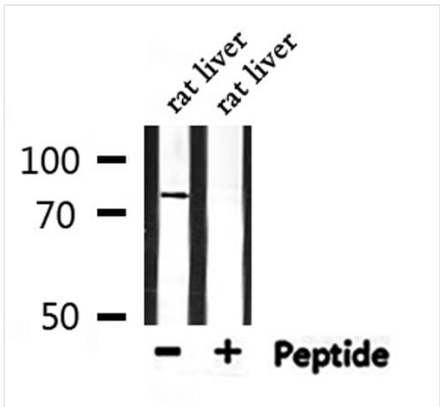
IMAGES



IF (Immunofluorescence)
AAA327510 staining HepG2 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.



WB (Western Blot)
Western blot analysis of Elmo1 using COS7 whole cell lysates



WB (Western Blot)
Western blot analysis of extracts from rat liver, using Elmo1 Antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-Elmo1 antibody	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. Subunit Structure: Interacts with ADGRB1 (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. Interacts with HCK (via SH3 domain). Interacts with ADGRB3 (PubMed:24567399). Post-translational Modifications: Phosphorylated by HCK.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	86788140
NCBI GeneID	9844
NCBI Accession #	NP_001034548.1
NCBI GenBank Nucleotide #	NM_001039459.2
UniProt Accession #	Q92556; Q29R79; Q6ZTJ0; Q96PB0; Q9H0I1; A4D1X6
Molecular Weight	Observed: 83 kDa Predicted: 84 kDa
NCBI Official Full Name	engulfment and cell motility protein 1 isoform 2

NCBI Official Synonym Full Names	engulfment and cell motility 1
NCBI Official Symbol	ELMO1
NCBI Official Synonym Symbols	CED12; CED-12; ELMO-1
NCBI Protein Information	engulfment and cell motility protein 1
UniProt Protein Name	Engulfment and cell motility protein 1
UniProt Gene Name	ELMO1
UniProt Synonym Gene Names	KIAA0281

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/elmo1-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/327510>