

Recombinant Anti-ELMO1 Rabbit mAb

Catalog # AP95174

Product Information

Application	WB, FC, IP, IF/IC
Primary Accession	Q92556
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal
Calculated MW	83829

Additional Information

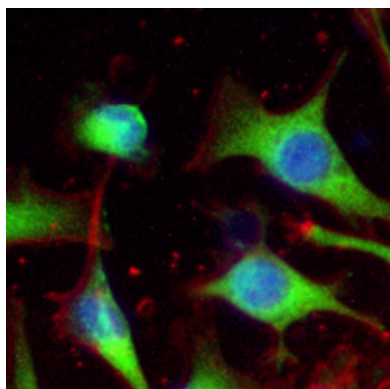
Gene ID	9844
Other Names	KIAA0281; Engulfment and cell motility protein 1; Protein ced-12 homolog
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within human ELMO1 protein. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) FC~~1:10~50 IP~~N/A IF/IC~~N/A
Format	Liquid in PBS, pH 7.3, 50% glycerol, 0.05% BSA, and 0.05% Proclin300.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	ELMO1
Synonyms	KIAA0281
Function	Regulates the activity of DOCK guanine nucleotide exchange factors (GEFs) (PubMed: 11595183 , PubMed: 12134158 , PubMed: 32651375 , PubMed: 38857861). Acts in association with DOCK1, DOCK2, DOCK5 and CRK (PubMed: 11595183 , PubMed: 12134158 , PubMed: 32651375 , PubMed: 38857861). Promotes RAC1 activation by DOCK5; the activity is stimulated by RHOG (PubMed: 38857861). Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility (PubMed: 11595183).
Cellular Location	Cytoplasm. Cell membrane. Note=Translocation to plasma membrane seems to be mediated by DOCK1 and CRK
Tissue Location	Widely expressed, with a higher expression in the spleen and placenta



Western blot analysis of ELMO1 expression in Jurkat (A) whole cell lysates. (Predicted band size: 84 kD; Observed band size: 84 kD)



Immunofluorescent analysis of ELMO1 staining in Jurkat cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

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