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# Elmo1 Polyclonal Antibody

Catalog # AP73213

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q92556 |
| **Reactivity** | Human, Mouse |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 83829 |

## Additional Information

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|---|---|
| **Gene ID** | 9844 |
| **Other Names** | ELMO1; KIAA0281; Engulfment and cell motility protein 1; Protein ced-12 homolog |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

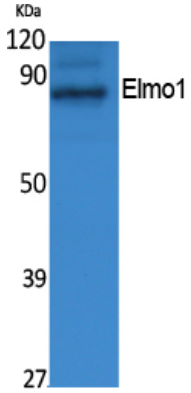
## Protein Information

| | |
|---|---|
| **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 |

## Background

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.

## Images




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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.