

# ELMO1 Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51187

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">Q92556</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	83829

## Additional Information

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<b>Gene ID</b>	9844
<b>Other Names</b>	Engulfment and cell motility protein 1, Protein ced-12 homolog, ELMO1, KIAA0281
<b>Target/Specificity</b>	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human ELMO1. The exact sequence is proprietary.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	ELMO1
<b>Synonyms</b>	KIAA0281
<b>Function</b>	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.
<b>Cellular Location</b>	Cytoplasm. Cell membrane. Note=Translocation to plasma membrane seems to be mediated by DOCK1 and CRK
<b>Tissue Location</b>	Widely expressed, with a higher expression in the spleen and placenta

## Background

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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.

## References

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Gumienny T.L.,et al.Cell 107:27-41(2001).  
Ohara O.,et al.DNA Res. 4:53-59(1997).  
Wiemann S.,et al.Genome Res. 11:422-435(2001).  
Ota T.,et al.Nat. Genet. 36:40-45(2004).  
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