

Goat Anti-ELMO2 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1364a**Specification**

Goat Anti-ELMO2 Antibody - Product Information

Application	WB, IHC, E
Primary Accession	O96JJ3
Other Accession	NP_573403 , 63916 , 140579 (mouse)
Reactivity	Human
Predicted	Mouse, Rat, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	82615

Goat Anti-ELMO2 Antibody - Additional Information**Gene ID** 63916**Other Names**

Engulfment and cell motility protein 2, Protein ced-12 homolog A, hCed-12A, ELMO2, CED12A, KIAA1834

DilutionWB~~1:1000
IHC~~1:100~500
E~~N/A**Format**

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-ELMO2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-ELMO2 Antibody - Protein Information**Name** ELMO2**Synonyms** CED12A, KIAA1834

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.

Cellular Location

Cytoplasm. Cytoplasm, cytosol. Membrane

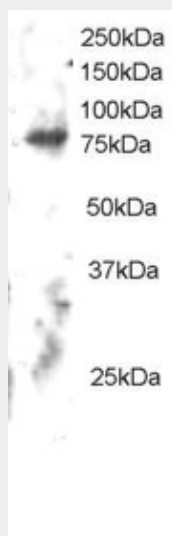
Tissue Location

Widely expressed, with a higher expression in skeletal muscle, kidney and placenta.

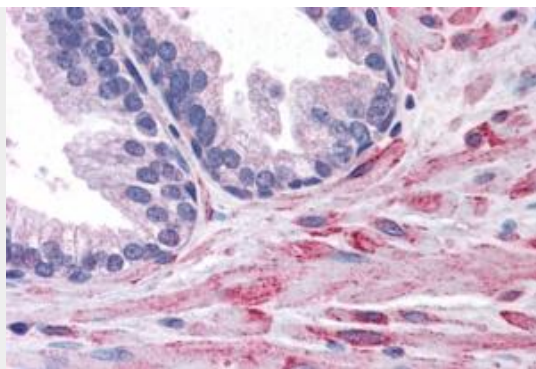
Goat Anti-ELMO2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Goat Anti-ELMO2 Antibody - Images

AF1364a staining (2 µg/ml) of Human Brain lysate (RIPA buffer, 30 µg total protein per lane). Primary incubated for 12 hour. Detected by western blot using chemiluminescence.



AF1364a (3.8 µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.

Goat Anti-ELMO2 Antibody - Background

The protein encoded by this gene interacts with the dedicator of cyto-kinesis 1 protein. Similarity to a *C. elegans* protein suggests that this protein may function in phagocytosis of apoptotic cells and in cell migration. Alternative splicing results in multiple transcript variants encoding the same protein.

Goat Anti-ELMO2 Antibody - References

Heterogeneity in gene loci associated with type 2 diabetes on human chromosome 20q13.1. Bento JL, et al. Genomics, 2008 Oct. PMID 18602983.

The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.

Time-resolved mass spectrometry of tyrosine phosphorylation sites in the epidermal growth factor receptor signaling network reveals dynamic modules. Zhang Y, et al. Mol Cell Proteomics, 2005 Sep. PMID 15951569.

Comparative gene finding in chicken indicates that we are closing in on the set of multi-exonic widely expressed human genes. Castelo R, et al. Nucleic Acids Res, 2005. PMID 15809229.

Immunoaffinity profiling of tyrosine phosphorylation in cancer cells. Rush J, et al. Nat Biotechnol, 2005 Jan. PMID 15592455.