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Research Use Only. Not for diagnostic or therapeutic use.

EB05305 - Goat Anti-ELMO2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: ELMO2, engulfment and cell motility 2 (ced-12 homolog, C. elegans), CED12, FLJ11656, KIAA1834, ced-12 homolog 2, PH domain protein CED12A, engulfment and cell motility 2, engulfment and cell motility 2, RP11-394O2.2, CED-12,

ELMO-2 Official Symbol: ELMO2

Accession Number(s): NP_877496.1; NP_573403.1; NP_001305182.1

Human GeneID(s): 63916

Non-Human GenelD(s): 140579 (mouse)

Immunogen

Peptide with sequence C-PKEPSSYDFVYHYG, from the C Terminus of the protein sequence according to NP_877496.1; NP_573403.1; NP_001305182.1.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:32000.

Western blot: Approx 80kDa band observed in lysates of cell lines HEK293, Jurkat, RAW264.7 and in Human Cerebellum and Rat Brain lysates (calculated MW of 82.6kDa according to Human NP_573403.1 and NP_877496.1 and Mouse NP_525026.2, and 83.7kDa according tp Rat NP_001128427.1). Recommended concentration: 0.3-1ug//ml. **IHC:** In paraffin embedded Human Prostate shows pixulated staining in the cytoplasm of stroma cells. Recommended concentration: 3-6µg/ml.

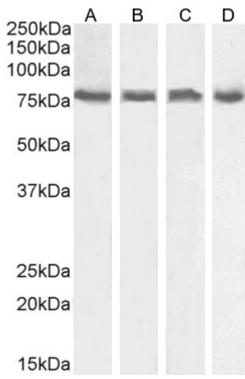
Immunofluorescence: Strong expression of the protein seen in A549 and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A549 cells. Recommended concentration: 10ug/ml.

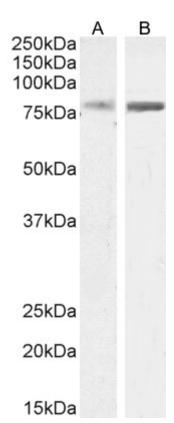
Species Reactivity

Tested: Human, Mouse, Rat

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow

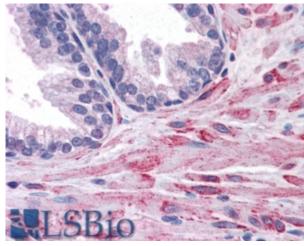


EB05305 (0.5 μ g/ml) staining of Jurkat (A) , HEK293 (B), RAW264.7 (C) and KNRK (D) cell lysate (35 μ g protein in RIPA buffer). Detected by chemiluminescence.

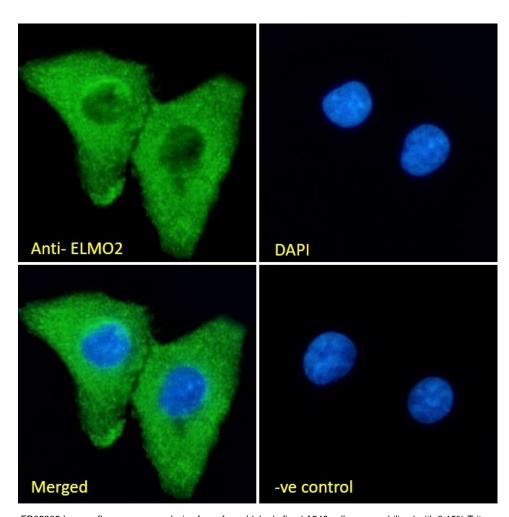


EB05305 (0.5μg/ml) staining of Human Cerebellum (A) and Rat Brain (B) lysate (35μg protein in RIPA buffer).

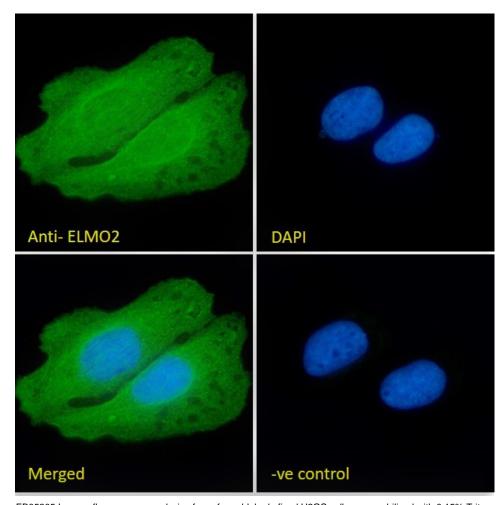
Detected by chemiluminescence.



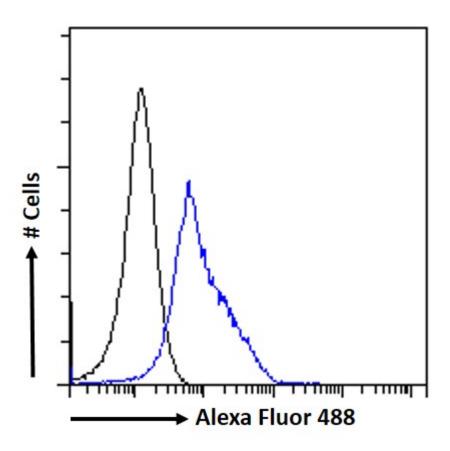
EB05305 (3.8 μ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB05305 Immunofluorescence analysis of paraformaldehyde fixed A549 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05305 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing cytoplasmic and nuclear staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB05305 Flow cytometric analysis of paraformaldehyde fixed A549 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control:

Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.