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EB05356 - Goat Anti-SCAP2 / PRAP Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: SKAP2, SCAP2, PRAP, src family associated phosphoprotein 2, MGC10411, MGC33304, RA70, SAPS, SCAP2, SKAP-HOM, SKAP55R, Fyn-associated phosphoprotein SKAP55 homologue, Pyk2/RAFTK-associated protein, src family associated phosphoprotein 2, src kinase-associated phosphoprotein of 55-related protein, src-associated adaptor protein
Official Symbol: SKAP2
Accession Number(s): NP_003921.2; NP_001290397.1
Human GeneID(s): 8935

Immunogen

Peptide with sequence C-GLVPKAYIMEMYDI, from the C Terminus of the protein sequence according to NP_003921.2; NP_001290397.1.

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

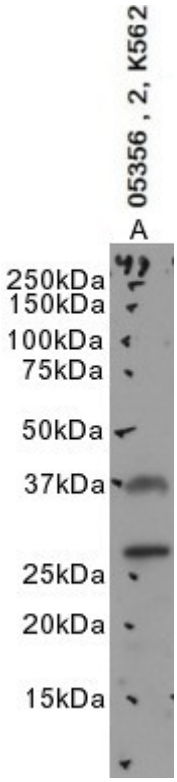
Peptide ELISA: antibody detection limit dilution 1:3000.
Western blot: Approx. 26+37kDa bands observed in lysates of cell line K562, and approx. 28+38kDa in preliminary testing of U937 cell lysate (calculated MW of 21.6kDa according to NP_001290397.1 and 41.2kDa according to NP_003921.2). Both bands were successfully blocked by incubation with the immunising peptide. Recommended concentration: 0.5-1µg/ml. Primary incubation 1 hour at room temperature. An additional band of unknown identity was also consistently observed in Jurkat at 28kDa. This band was successfully blocked by incubation with the immunising peptide.

Immunofluorescence: Strong expression of the protein seen in K562 and U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

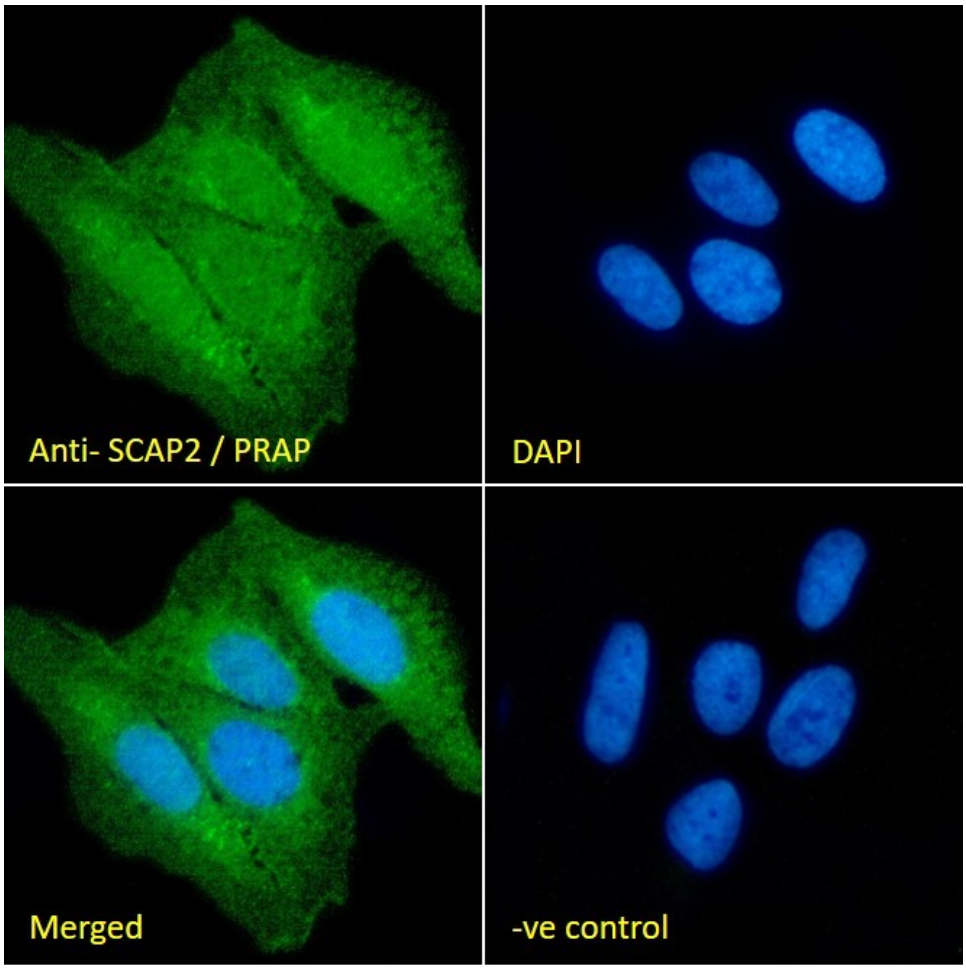
Species Reactivity

Tested: Human
Expected from sequence similarity: Human

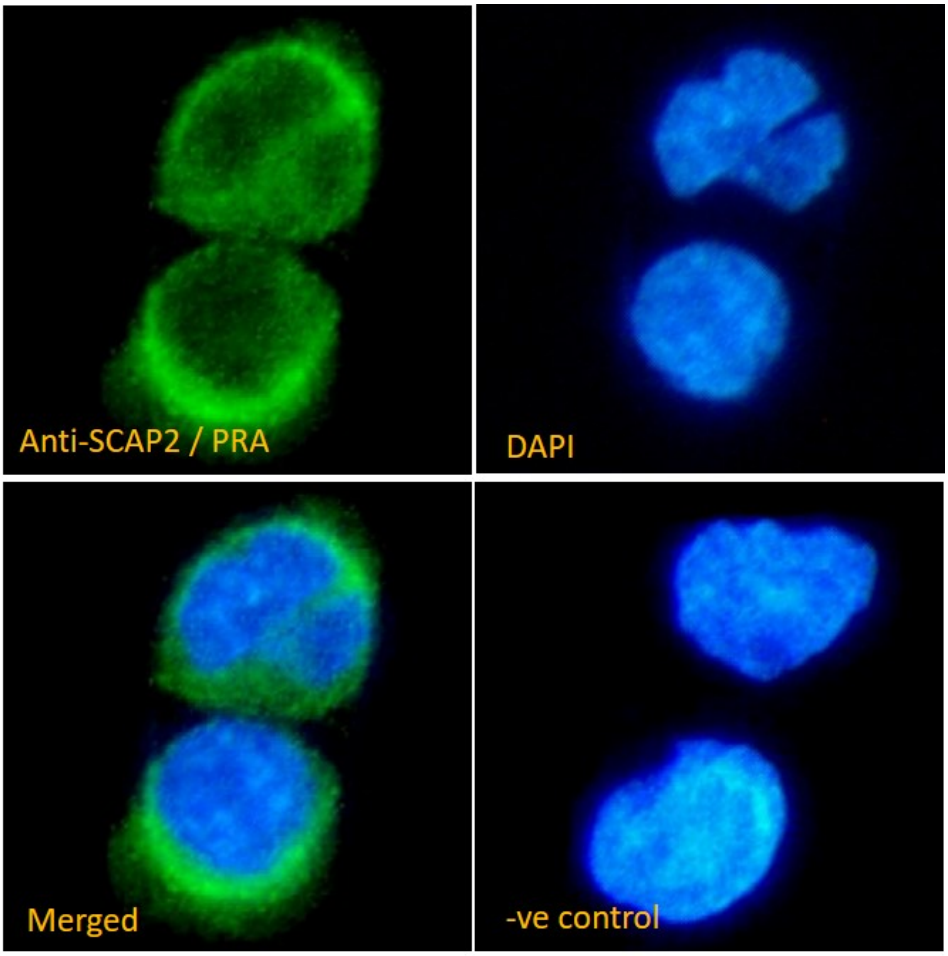


EB05336 optimised QC. Primary incubation 1 hour at room temperature.

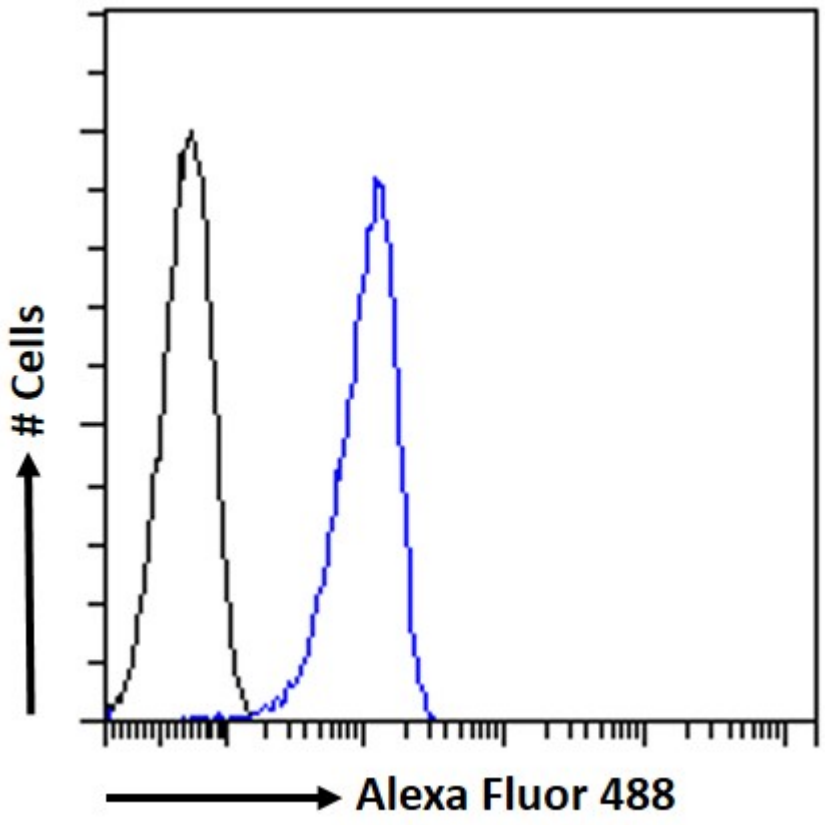
Image A: K562 cell lysate at primary Ab concentration 2µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



EB05356 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).



EB05356 Immunofluorescence analysis of paraformaldehyde fixed K562 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).



EB05356 Flow cytometric analysis of paraformaldehyde fixed A431 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.