



## UK Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## 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.

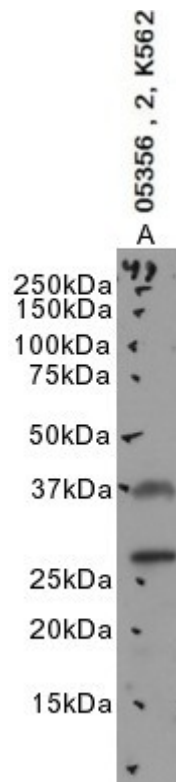
**Immunofluorescence:** Strong expression of the protein seen in K562 and U2OS cells. Recommended concentration: 10µg/ml.

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

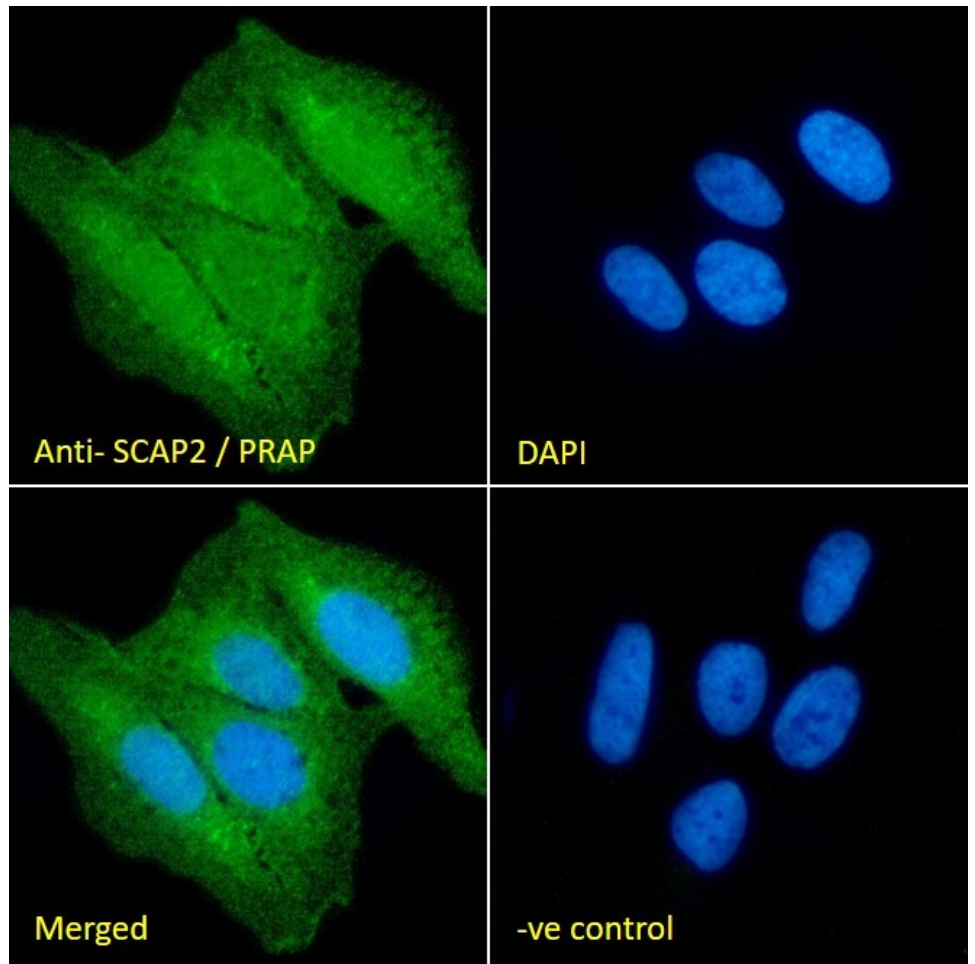
### Species Reactivity

**Tested:** Human

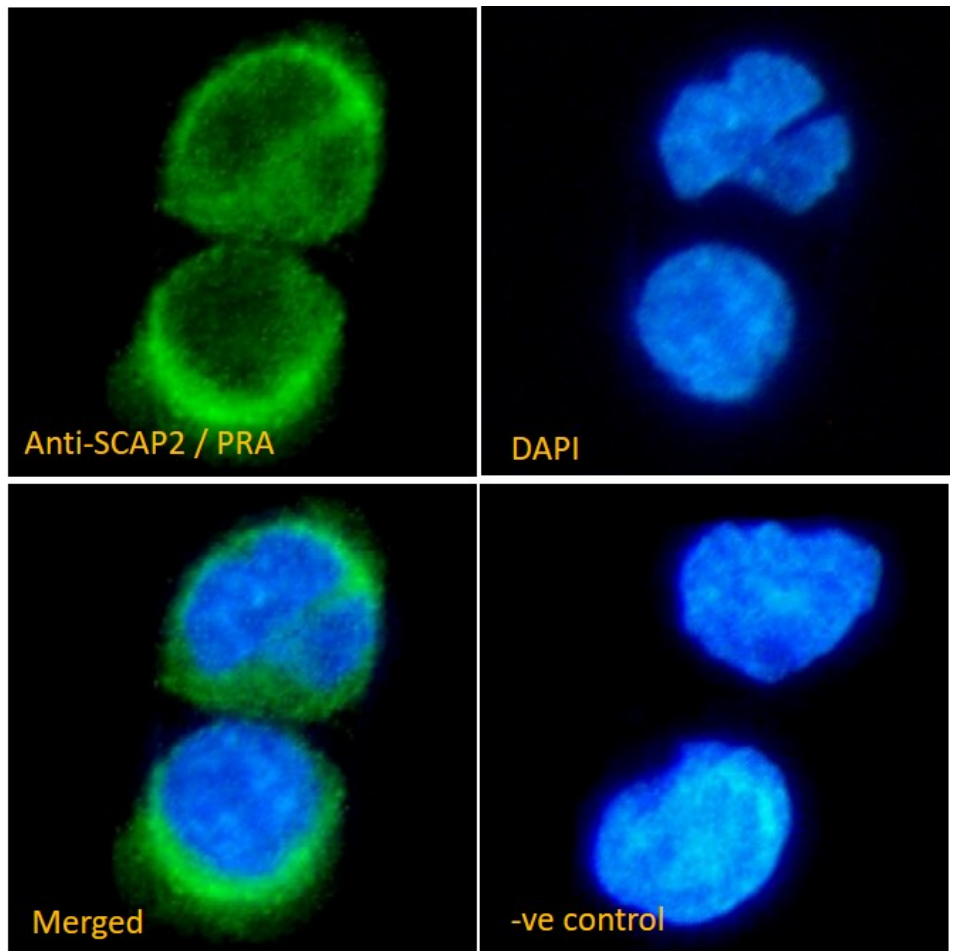
**Expected from sequence similarity:** Human



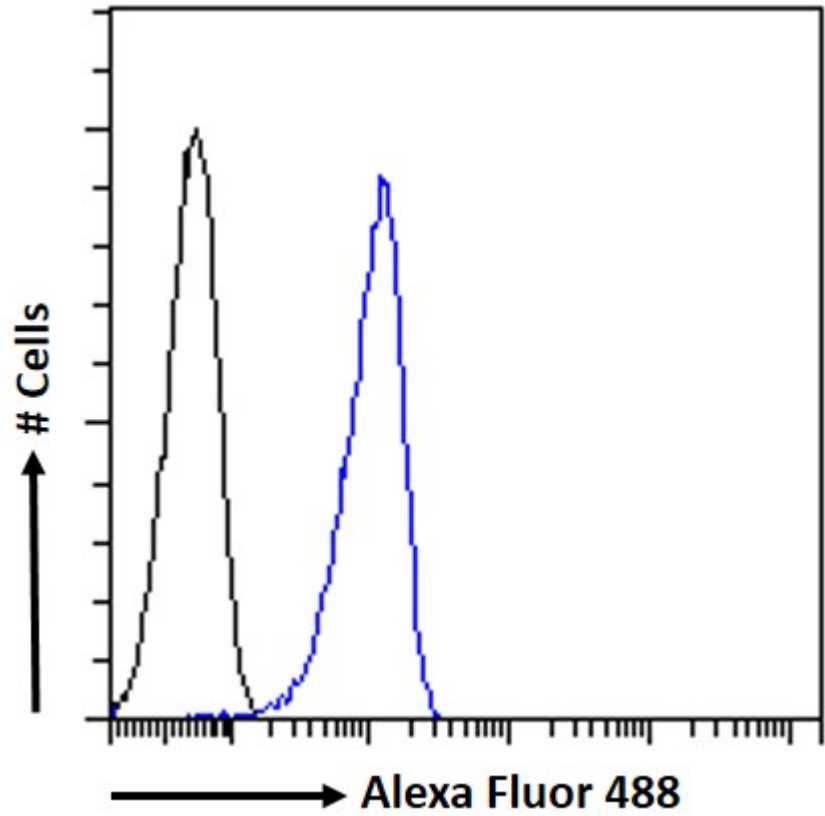
EB05336 optimised QC. Primary incubation 1 hour at room temperature.  
Image A: K562 cell lysate at primary Ab concentration 2µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



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.