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EB08178 - Goat Anti-WISP1 Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: WISP1, WNT1 inducible signaling pathway protein 1, CCN4, WISP1c, WISP1i, WISP1tc, WNT1 induced secreted protein 1, Wnt-1 inducible signaling pathway protein 1, wnt-1 signaling pathway protein 1
Official Symbol: CCN4
Accession Number(s): NP_003873.1; NP_543028.1
Human GeneID(s): 8840
Non-Human GeneID(s): 22402 (mouse), 65154 (rat)
Important Comments: This antibody is expected to recognize both reported isoforms (NP_003873.1; NP_543028.1).

Immunogen

Peptide with sequence C-ESYPDFSEIAN, from the C Terminus of the protein sequence according to NP_003873.1; NP_543028.1.

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

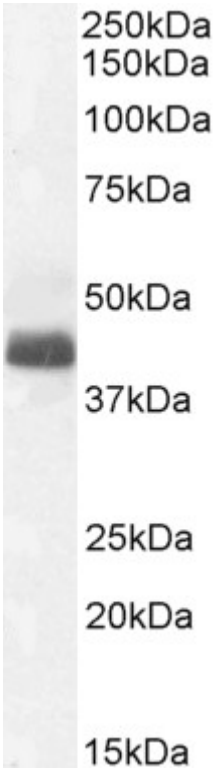
Peptide ELISA: antibody detection limit dilution 1:128000.
Western blot: Approx 32-35kDa band observed in lysates of cell line CaCo-2 and approx. 40kDa in Human Tonsil lysates, and additionally in a lysate of cell line CaCo-2, which were successfully blocked by incubation with the immunising peptide (calculated MW of 30.7kDa according to NP_543028.1 and 40.3kDa according to NP_003873.1). Recommended concentration: 0.1-0.3µg/ml. Primary incubation 1 hour at room temperature.

Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

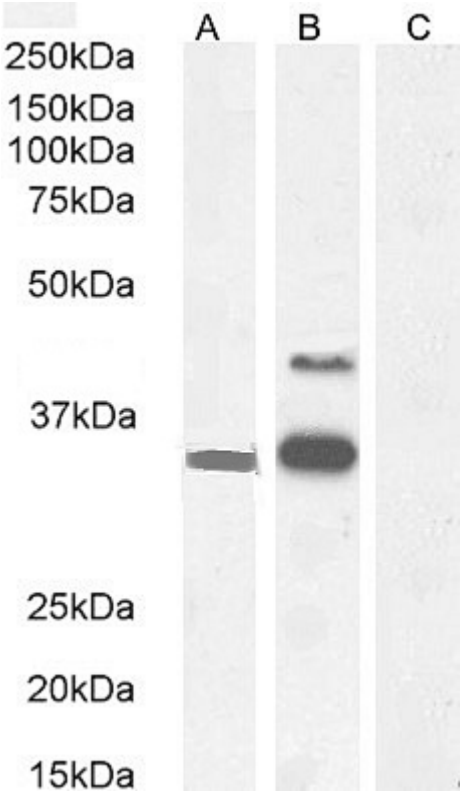
Flow Cytometry: Flow cytometric analysis of A431 cells. Recommended concentration: 10ug/ml.

Species Reactivity

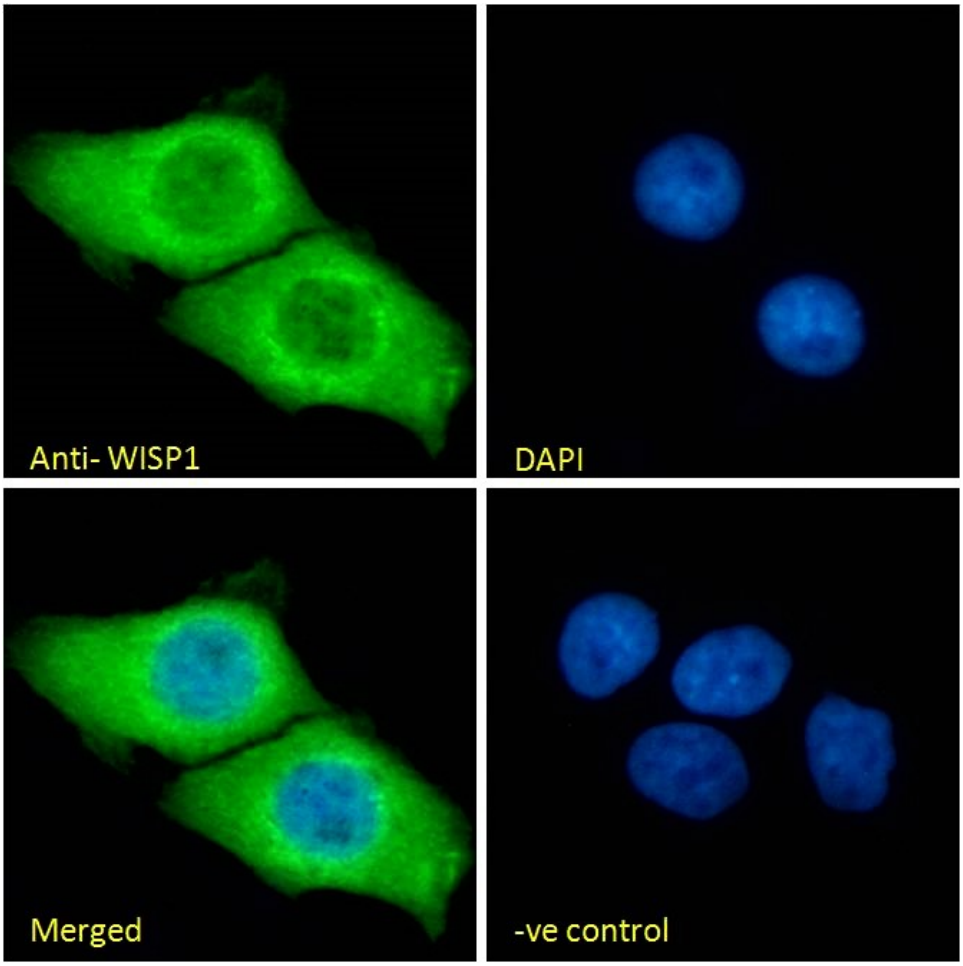
Tested: Human
Expected from sequence similarity: Human, Mouse, Rat,



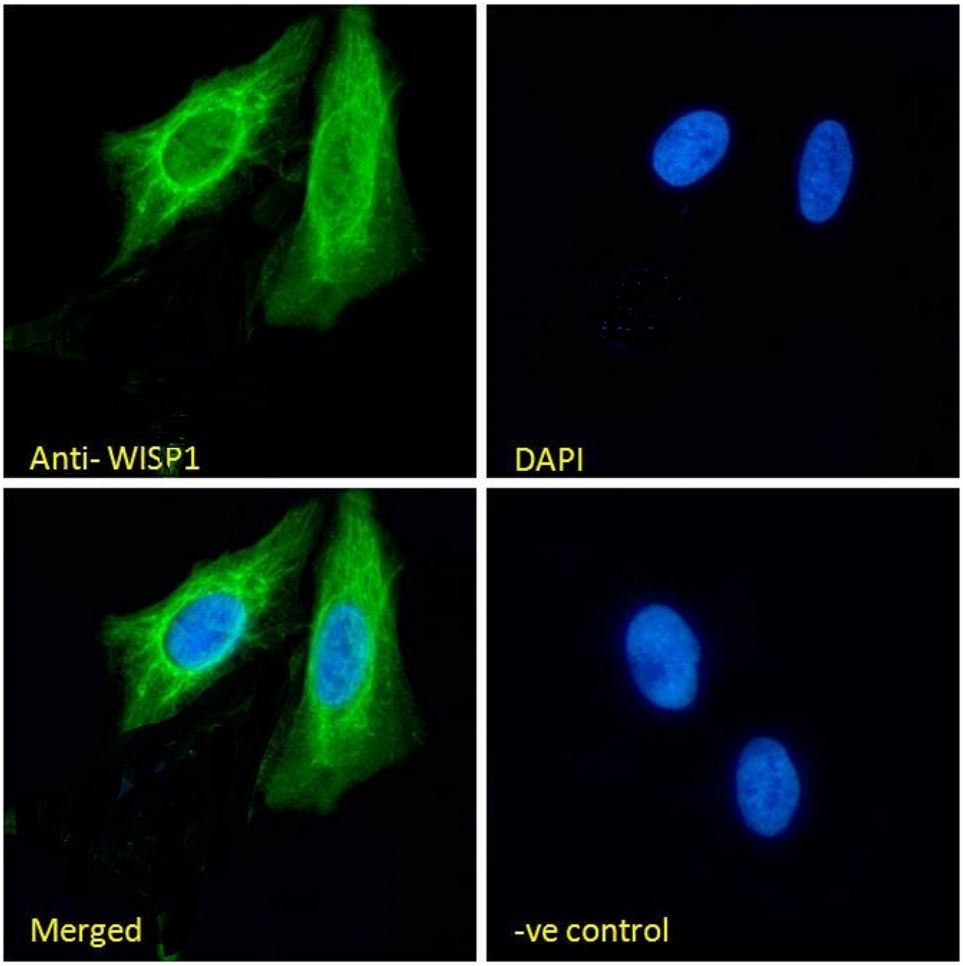
EB08178 (0.1µg/ml) staining of Human Tonsil lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



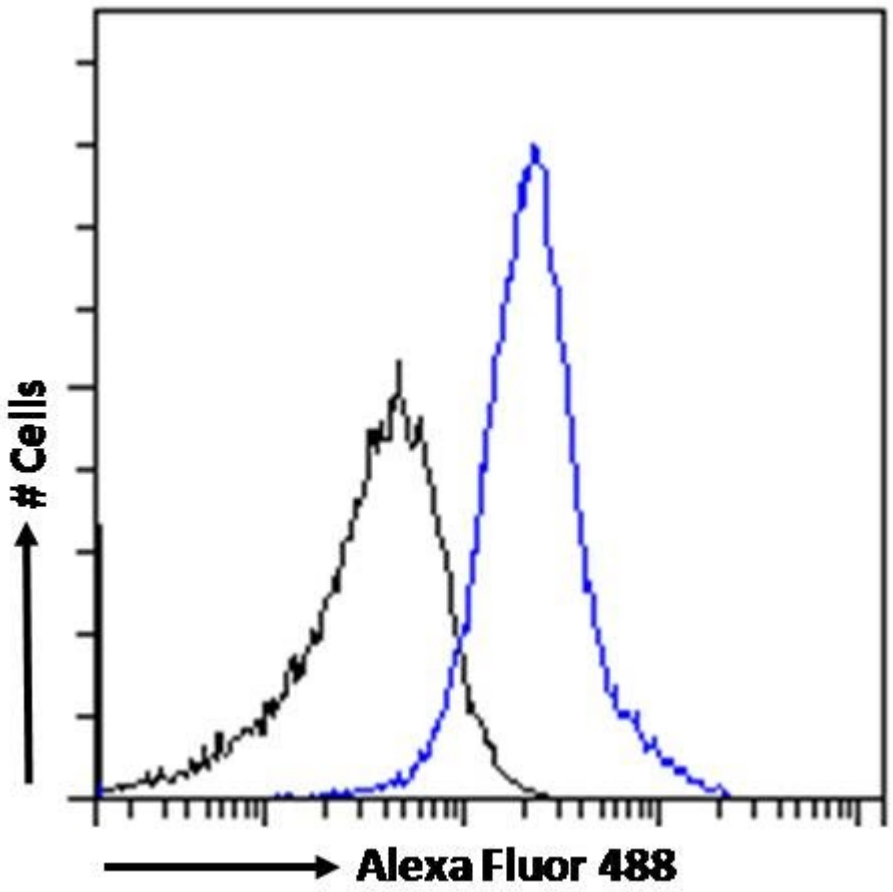
EB08178 (0.3µg/ml) staining of Caco-2 cell lysate 1 (A) and Caco-2 cell lysate 2 (B) + petide (C). (35µg protein in RIPA buffer). Detected by chemiluminescence.



EB08178 Immunofluorescence analysis of paraformaldehyde fixed A431 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).



EB08178 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 staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08178 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.