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

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.

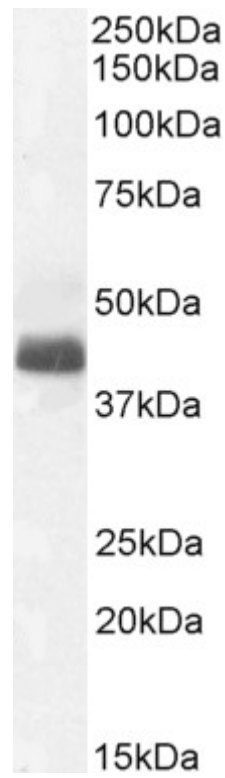
Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

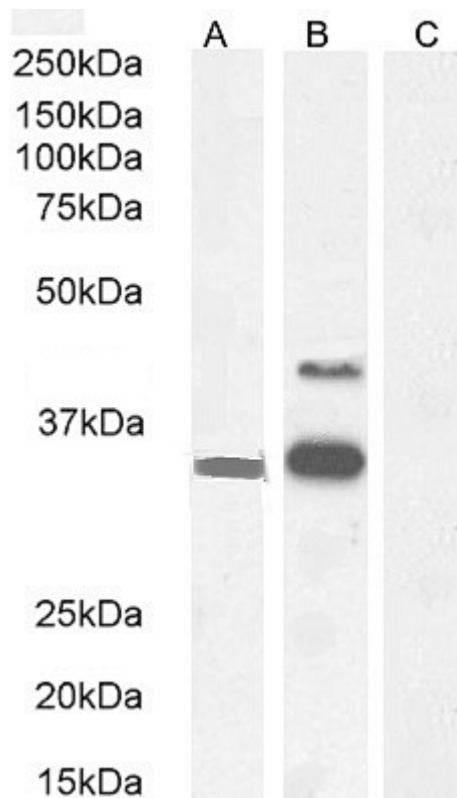
Species Reactivity

Tested: Human

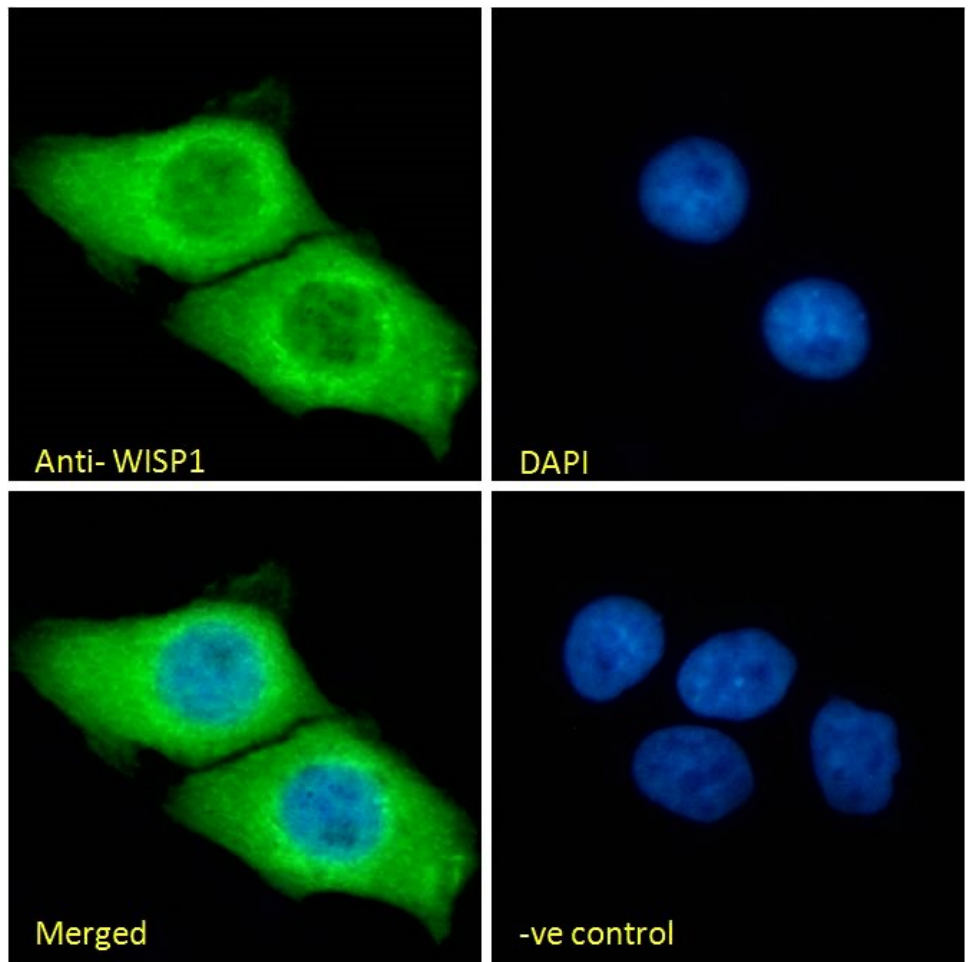
Expected from sequence similarity: Human, Mouse, Rat,



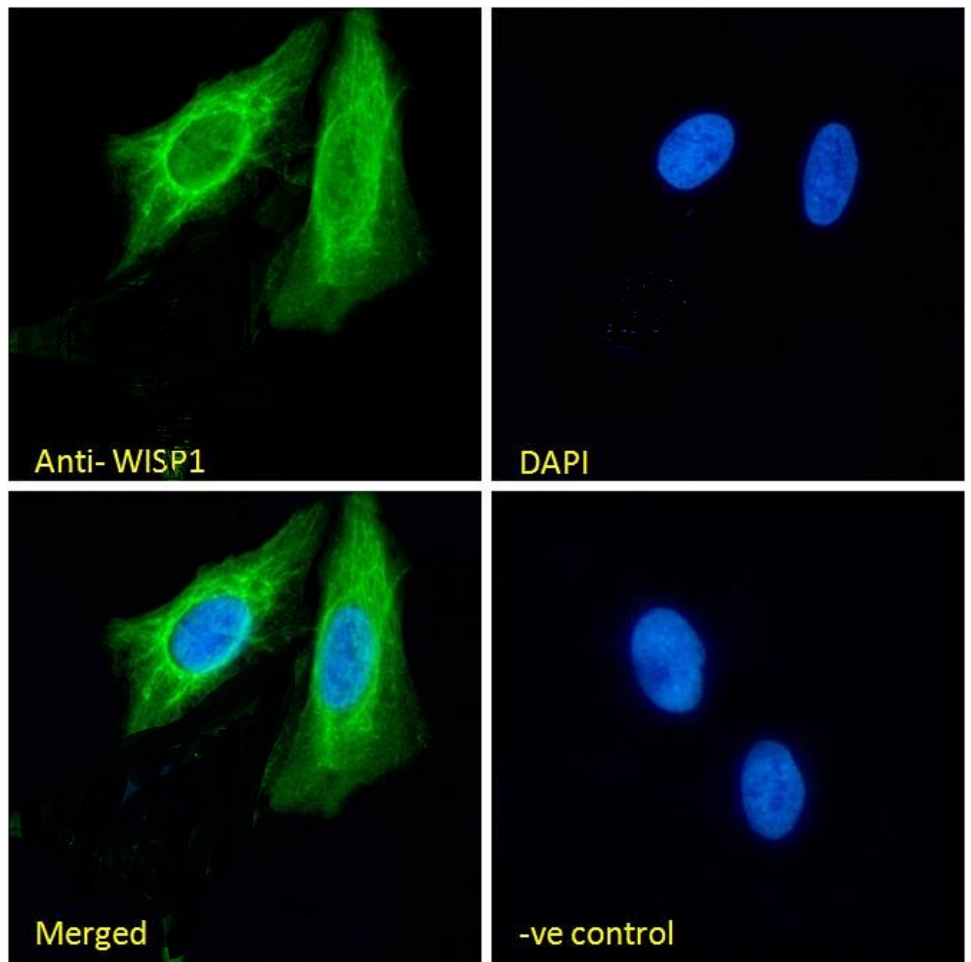
EB08178 (0.1µg/ml) staining of Human Tonsil lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



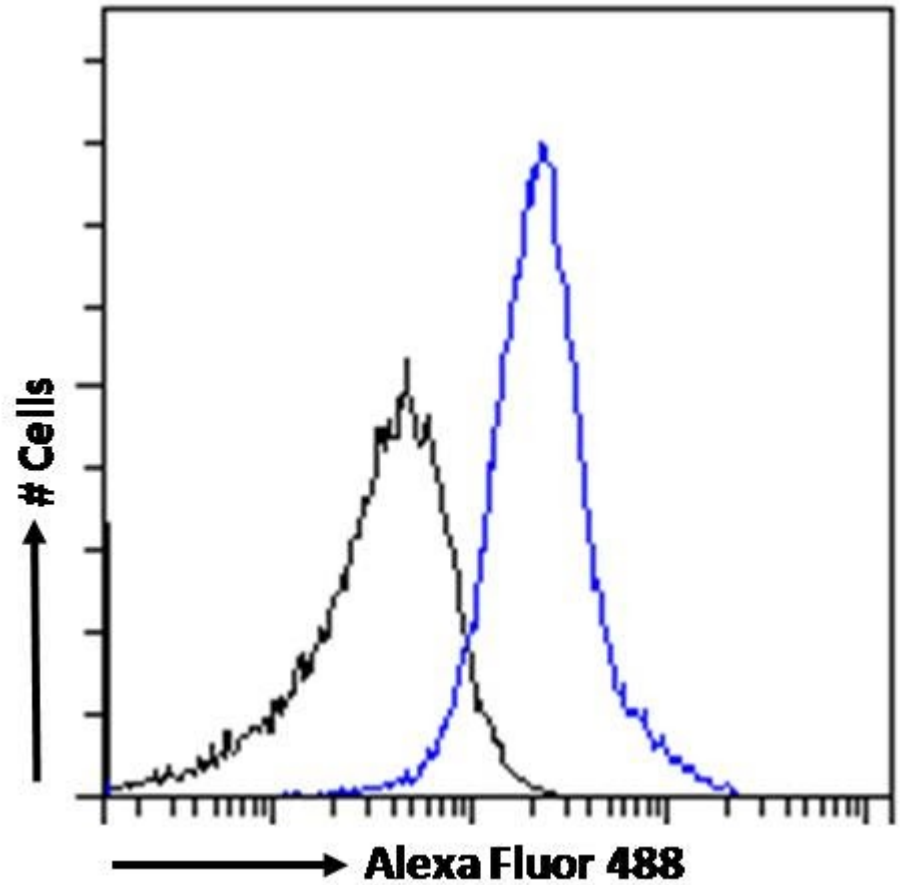
EB08178 (0.3µg/ml) staining of Caco-2 cell lysate 1 (A) and Caco-2 cell lysate 2 (B) + peptide (C). (35µg protein in RIPA buffer). Detected by chemiluminescence.



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.