

## UK Office

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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.

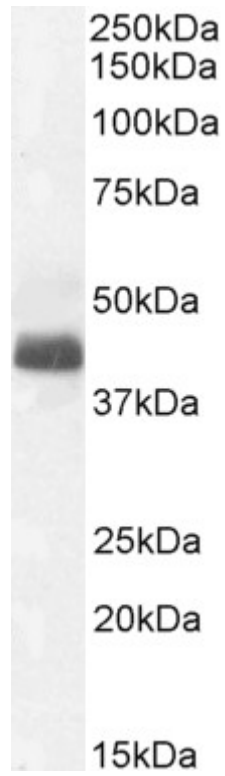
**Immunofluorescence:** Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells. Recommended concentration: 10µg/ml.

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

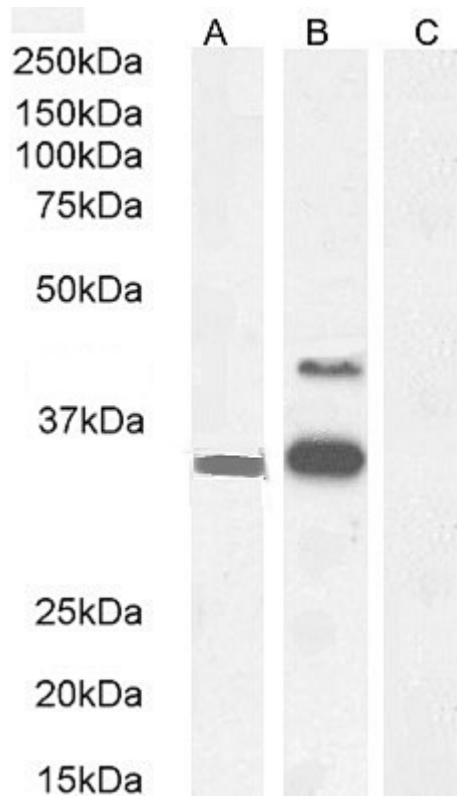
### Species Reactivity

**Tested:** Human

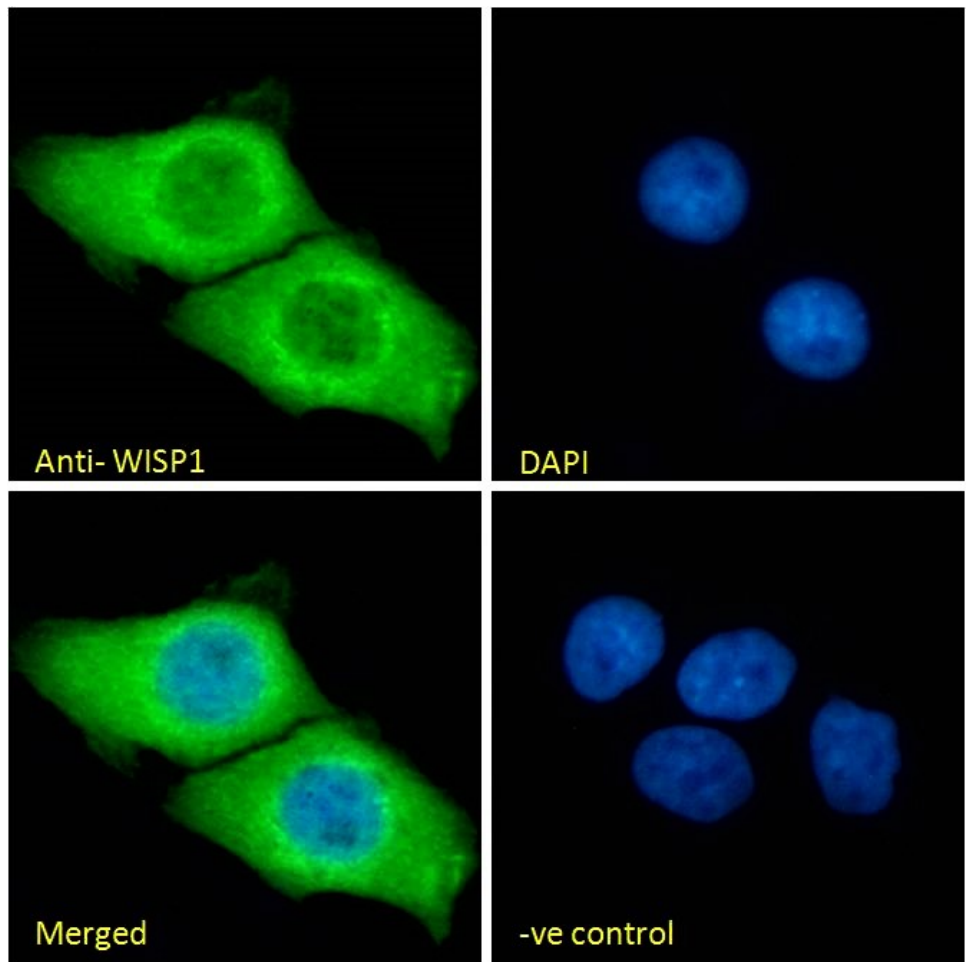
**Expected from sequence similarity:** Human, Mouse, Rat,



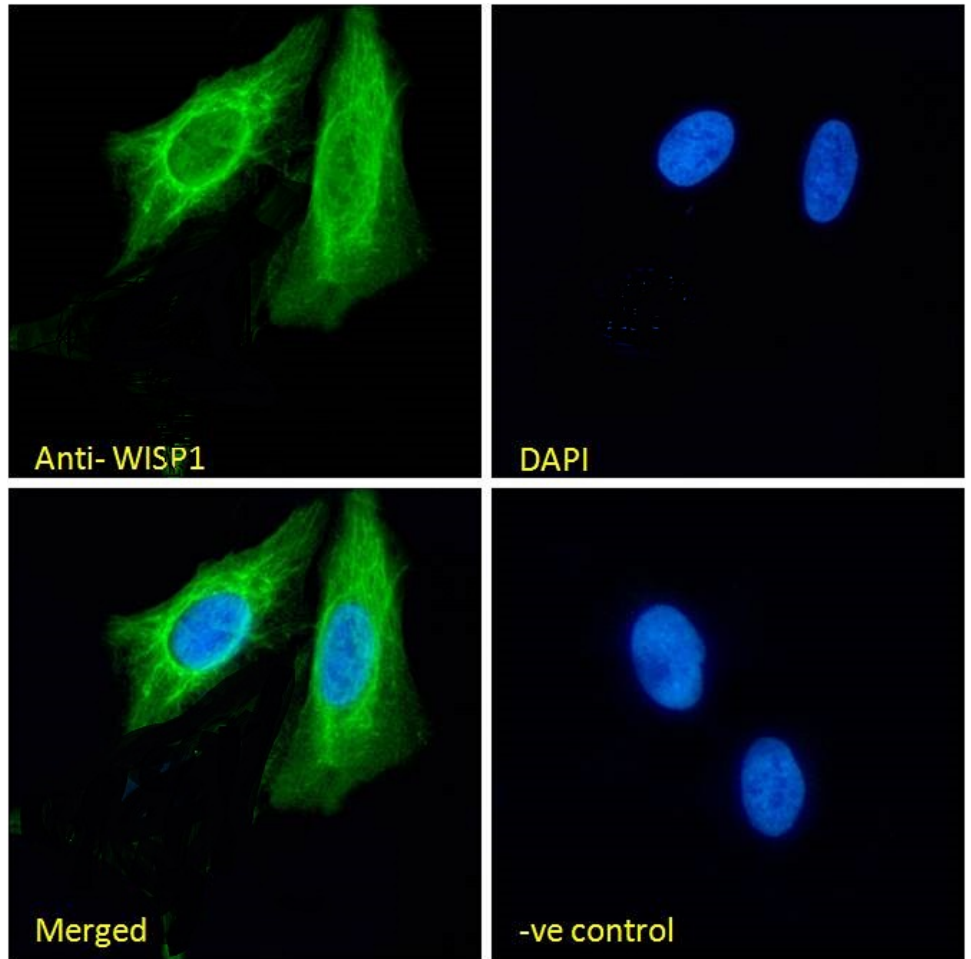
EB08178 (0.1µg/ml) staining of Human Tonsil lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.



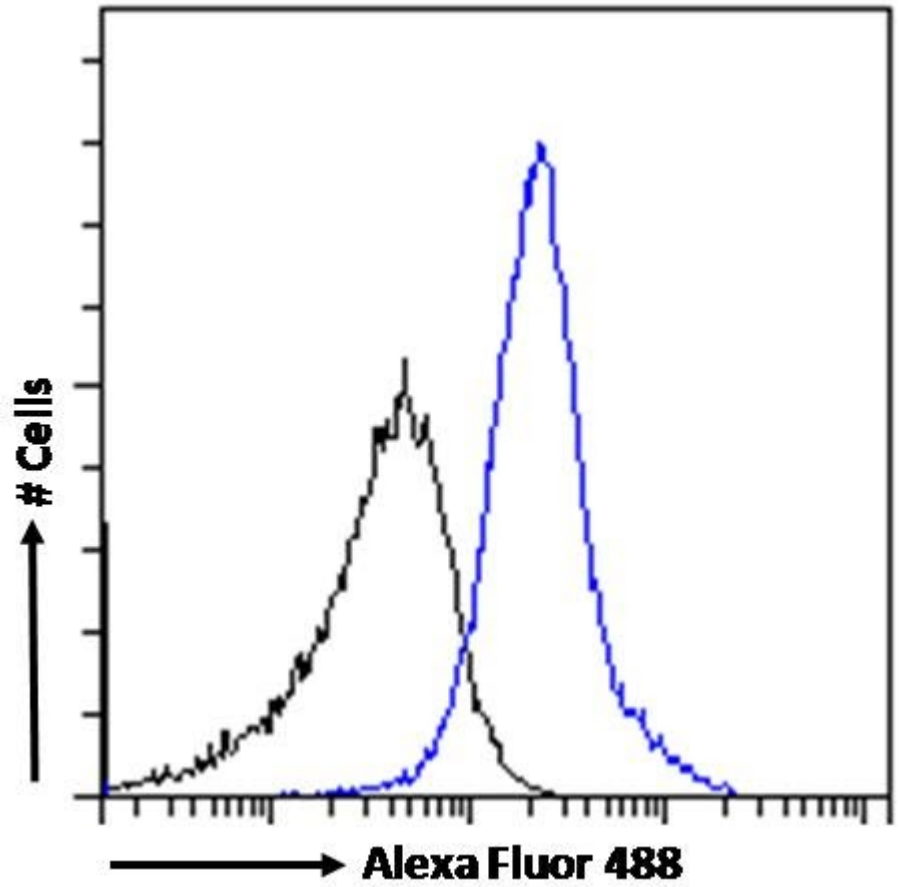
EB08178 (0.3µg/ml) staining of Caco-2 cell lysate 1 (A) and Caco-2 cell lysate 2 (B) + peptide (C). (35µg protein in RIPA buffer). Detected by chemiluminescence.



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.