

# Product Datasheet

## WISP-1/CCN4 Antibody NB100-77339

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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**NB100-77339****WISP-1/CCN4 Antibody**

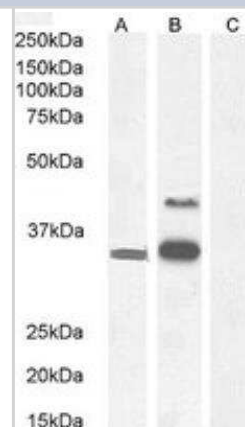
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	0.5 mg/ml
<b>Storage</b>	Store at -20C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.02% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
<b>Target Molecular Weight</b>	40 kDa

<b>Product Description</b>	
<b>Host</b>	Goat
<b>Gene ID</b>	8840
<b>Gene Symbol</b>	CCN4
<b>Species</b>	Human
<b>Specificity/Sensitivity</b>	This antibody is expected to recognize both reported isoforms (NP_003873.1; NP_543028.1).
<b>Immunogen</b>	Peptide with sequence C-ESYPDFSEIAN corresponding to C-Terminus according to NP_543028.1.

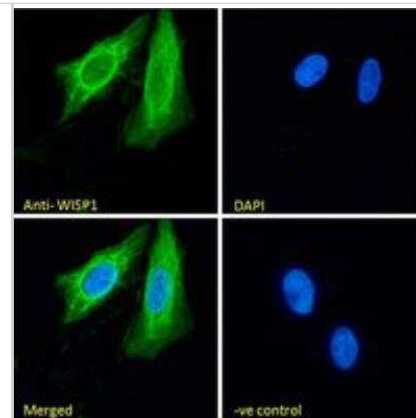
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
<b>Recommended Dilutions</b>	Western Blot 0.1 - 0.3 ug/mL, Flow Cytometry 10 ug/mL, Immunocytochemistry/ Immunofluorescence 10 ug/mL, Peptide ELISA Detection limit 1:128000
<b>Application Notes</b>	Approx 32-35 kDa band observed in lysates of cell line CaCo-2 and approx. 40 kDa 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 30.7 kDa according to NP_543028.1 and 40.3 kDa according to NP_003873.1).

**Images**

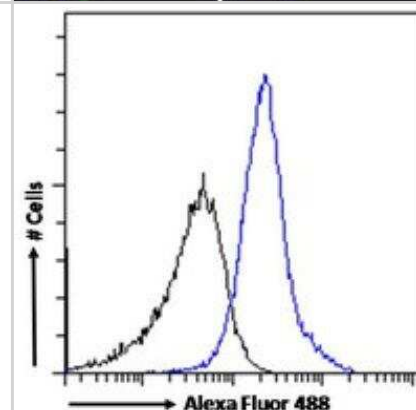
Western Blot: WISP-1/CCN4 Antibody [NB100-77339] - Staining of Caco-2 cell lysate 1 (A) and Caco-2 cell lysate 2 (B) + peptide (C) with antibody at 0.3 ug/mL (35 ug protein in RIPA buffer). Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: WISP-1/CCN4 Antibody [NB100-77339] - 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).



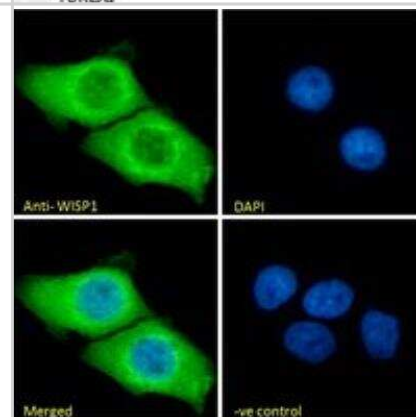
Flow Cytometry: WISP-1/CCN4 Antibody [NB100-77339] - Flow cytometric analysis of paraformaldehyde fixed A431 cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody.



Western Blot: WISP-1/CCN4 Antibody [NB100-77339] - Staining of Human Tonsil lysate with antibody at 0.1 ug/mL (35ug protein in RIPA buffer). Detected by chemiluminescence.



Immunocytochemistry/Immunofluorescence: WISP-1/CCN4 Antibody [NB100-77339] - 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).



## Publications

Major MB, Camp ND, Berndt JD et al. Wilms tumor suppressor WTX negatively regulates WNT/beta-catenin signaling. Science 2007-05-18 [PMID: 17510365]



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### **Products Related to NB100-77339**

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NBL1-17856	WISP-1/CCN4 Overexpression Lysate
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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