

Human Cytohesin-1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4807

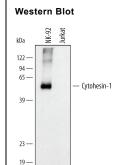
DESCRIPTION			
Species Reactivity	Human		
Specificity	Detects endogenous human Cytohesin-1 in Western blots.		
Source	Polyclonal Goat IgG		
Purification	Antigen Affinity-purified		
Immunogen	E. coli-derived recombinant human Cytohesin-1 Met1-Tyr102 Accession # Q15438		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

DATA



Detection of Human Cytohesin-1 by Western Blot.

Western blot shows lysates of NK-92 human natural killer lymphoma cell line and Jurkat human acute T cell leukemia cell line. PVDF membrane was probed with 1 µg/mL of Human Cytohesin-1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4807) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). A specific band was detected for Cytohesin-1 at approximately 50 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution Reconstitute at 0.2 mg/mL in sterile PBS

Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C

Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

Cytohesin-1, previously called B2-1 or PSCD1 (pleckstrin homology, Sec7 and coiled-coil domain-containing protein 1), is a 398 amino acid (aa), 47 kDa member of the cytohesin family of guanine nucleotide exchange factors. The Sec7 domain (aa 62-244) binds the integrin beta 2 subunit cytoplasmic domain, activating integrins via inside-out signaling, thus implicated in chemotaxis, adhesion, and cell spreading. The region of human Cytohesin-1 used as an immunogen shares 97% and 96% aa identity with mouse and rat Cytohesin-1, and 67% and 69% aa identity with human cytohesins 2 and 3, respectively. Although ubiquitously expressed, Cytohesin-1 is primarily found in immune system cells, and was cloned from a natural killer (NK) cell minus T helper cell line Jurkat library.

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