

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Cytohesin-1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Cytohesin-1 Met1-Tyr102 Accession # Q15438
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide
*Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.	

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.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

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

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

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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