

Cytohesin 1/2/3/4

Cat.No. 212 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add 50 µl H ₂ O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 (AP staining) IP: not tested yet ICC: not tested yet IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 260 to 379 from mouse Cytohesin1 (UniProt Id: Q9QX11)
Reactivity	Reacts with: human (Q15438, Q99418, O43739, Q9UIA0), rat (P97694, P63035, P97696, D3ZHR6), mouse (Q9QX11, P63034, O08967, Q80YW0). Other species not tested yet.
Specificity	Recognizes cytohesin 1, 2, 3, and 4.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

Cytohesins are a group of guanine nucleotide exchange factors (GEFs) that contain an N-terminal coil, a central Sec-7 and a C-terminal pleckstrin homology (ph) domain.

They control the activity of ADP-ribosylation factors (Arfs) and are involved in the control of vesicular transport and organization of the actin cytoskeleton.

Cytohesins have also been reported to bind to integrins, a diverse family of heterodimeric transmembrane adhesion receptors that are present on most vertebrate cell types. These proteins are known to be involved in cell-cell or cell-matrix interactions.

Selected General References

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Actin cytoskeletal association of cytohesin-1 is regulated by specific phosphorylation of its carboxyl-terminal polybasic domain.

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Similarities in function and gene structure of cytohesin-4 and cytohesin-1, guanine nucleotide-exchange proteins for ADP-ribosylation factors.

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