

CLIP 170

Cat.No. 239 005; Polyclonal Guinea pig antibody, 50 µg specific antibody (lyophilized)

Data Sheet

Reconstitution/ Storage	50 µg specific antibody, lyophilized. Affinity purified with the immunogen. Guinea pig 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: 1 : 200 up to 1 : 500 (see remarks) IHC: not tested yet IHC-P/FFPE: not tested yet
Immunogen	Recombinant protein corresponding to AA 1283 to 1438 from human CLIP170 (UniProt Id: P30622)
Reactivity	Reacts with: human (P30622), rat (Q9JK25), mouse (Q922J3). Other species not tested yet.
Specificity	Recognizes CLIP 170 and restin.
Remarks	ICC: Fix 15 min at -20°C with ice-cold MeOH / 1mM EGTA, then transfer without washing to 4% PFA (in PBS) and fix for 20 min at RT.

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

Cytoplasmic linker proteins (CLIPs) are members of the plus-end-binding protein family (+TIPs) that interact with the growing plus ends of microtubules. They modulate microtubule dynamics and are proposed to link this cytoskeletal network to other intracellular structures.

CLIP 170 has been shown to colocalize with dynactin and dynein at microtubule ends and also at the kinetochore. High levels of a splice variant named **restin** are found in Hodgkin and Reed-Sternberg (HRS) cells, monocyte-derived dendritic cells (DCs) and interleukin-4 (IL-4) CD40L-activated B cells. Restin carries a 35 amino acids long insertion in the center of the molecule.

Selected General References

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