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Cat.No. 239 003; Polyclonal rabbit antibody, 50 µg specific antibody (lyophilized)

## **Data Sheet**

Reconstitution/ Storage	$50~\mu g$ specific antibody, lyophilized. Affinity purified with the immunogen. Rabbit serum albumin was added for stabilization. For reconstitution add $50~\mu l~H_2O$ 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	<b>ICC</b> : 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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