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Anti-CRMP3 Antibody

Catalog # AP60087

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O14531
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61878

Additional Information

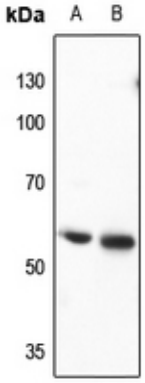
Gene ID	10570
Other Names	CRMP3; ULIP4; DIHCydropyrimidinase-related protein 4; DRP-4; Collapsin response mediator protein 3; CRMP-3; UNC33-like phosphoprotein 4; ULIP-4
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human CRMP3. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

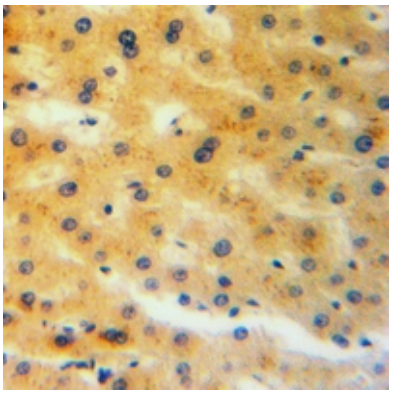
Name	DPYSL4
Synonyms	CRMP3, ULIP4
Function	Necessary for signaling by class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, neuronal growth cone collapse and cell migration (By similarity).
Cellular Location	Cytoplasm.

Images

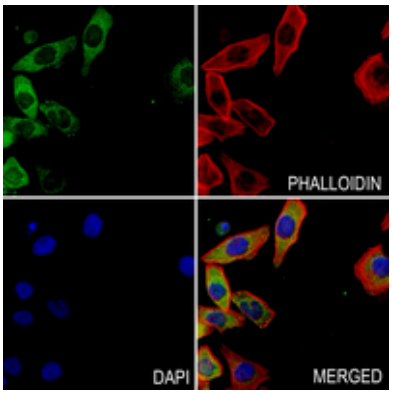
Western blot analysis of CRMP3 expression in HEK293T (A), H446 (B) whole cell lysates. (Predicted band size: 61



kD; Observed band size: 62 kD)



Immunohistochemical analysis of CRMP3 staining in human liver cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of CRMP3 staining in MCF7 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.