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Anti-EPB41L2 Antibody

Catalog # AP59546

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O43491
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	112588

Additional Information

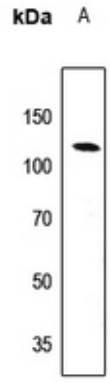
Gene ID	2037
Other Names	Band 4.1-like protein 2; Generally expressed protein 4.1; 4.1G
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EPB41L2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) IHC~~WB (1/500 - 1/1000), IHC (1/100 - 1/200) 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

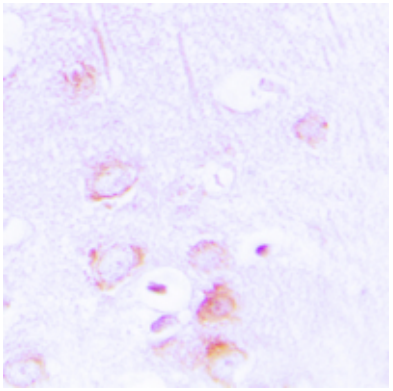
Protein Information

Name	EPB41L2 (HGNC:3379)
Function	Required for dynein-dynactin complex and NUMA1 recruitment at the mitotic cell cortex during anaphase (PubMed:23870127).
Cellular Location	Cytoplasm, cytoskeleton. Cytoplasm, cell cortex. Cell membrane
Tissue Location	Widely expressed.

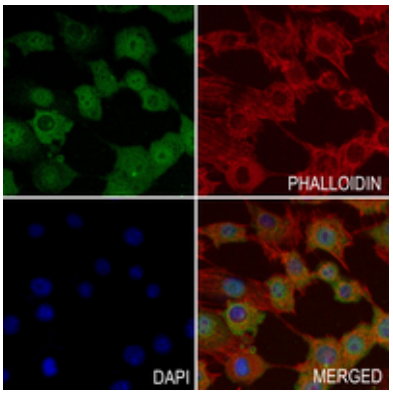
Images

Western blot analysis of EPB41L2 expression in mouse kidney (A) whole cell lysates. (Predicted band size: 112 kD; Observed band size: 113 kD)

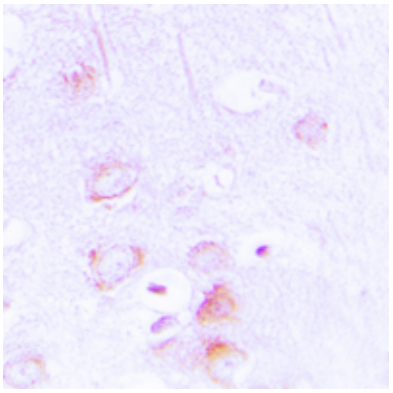




Immunohistochemical analysis of EPB41L2 staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using 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 EPB41L2 staining in NIH3T3 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).



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