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Anti-Radixin Antibody

Catalog # AP51471

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P35241
Reactivity	Human, Mouse, Rat, Pig, Chicken, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68564

Additional Information

Gene ID	5962
Other Names	Radixin
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Radixin. The exact sequence is proprietary.
Dilution	WB~~ 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

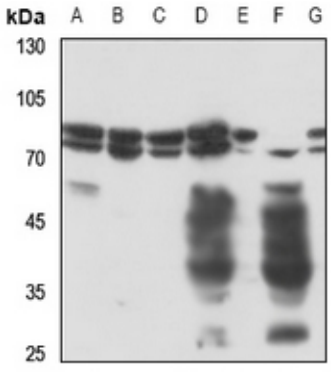
Protein Information

Name	RDX
Function	Probably plays a crucial role in the binding of the barbed end of actin filaments to the plasma membrane.
Cellular Location	Cell membrane; Peripheral membrane protein; Cytoplasmic side. Cytoplasm, cytoskeleton. Cleavage furrow. Cell projection, microvillus {ECO:0000250|UniProtKB:P26043}. Cell projection, stereocilium {ECO:0000250|UniProtKB:P26043}. Note=Enriched at the stereocilium base with very low levels in the shaft of stereociliary bundles (By similarity). Highly concentrated in the undercoat of the cell-to-cell adherens junction and the cleavage furrow in the interphase and mitotic phase, respectively {ECO:0000250|UniProtKB:P26043}

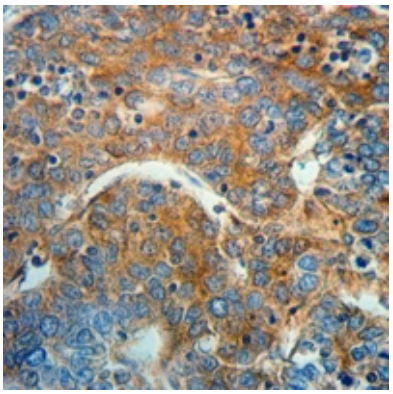
References

Wilgenbus K.K.,et al.Genomics 16:199-206(1993).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Khan S.Y.,et al.Hum. Mutat. 28:417-423(2007).
Taylor T.D.,et al.Nature 440:497-500(2006).
Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

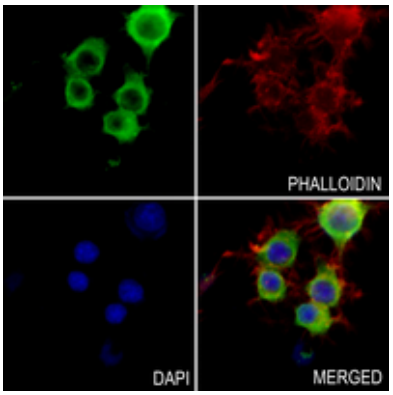
Images



Western blot analysis of Radixin expression in HEK239T (A), Hela (B), HGC27 (C), mouse kidney (D), mouse testis (E), rat kidney (F), rat testis (G) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 82 kD)



Immunohistochemical analysis of Radixin 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 Radixin staining in RAW264.7 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'.