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Anti-EPN2 Antibody

Catalog # AP60457

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O95208
Reactivity	Human, Mouse, Rat, Zebrafish, Bovine, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68482

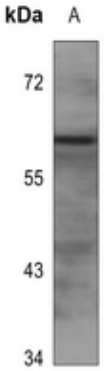
Additional Information

Gene ID	22905
Other Names	KIAA1065; Epsin-2; EPS-15-interacting protein 2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human EPN2. 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

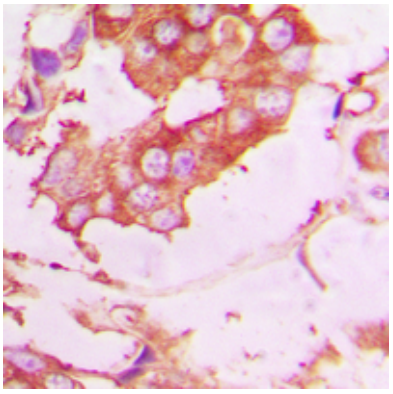
Protein Information

Name	EPN2
Synonyms	KIAA1065
Function	Plays a role in the formation of clathrin-coated invaginations and endocytosis.
Cellular Location	Cytoplasm. Cytoplasmic vesicle, clathrin-coated vesicle. Note=In punctate structures throughout the cell, associated with clathrin-coated vesicles, and particularly concentrated in the region of the Golgi complex
Tissue Location	Highest expression is found in brain. Detected at lower levels in lung and liver.

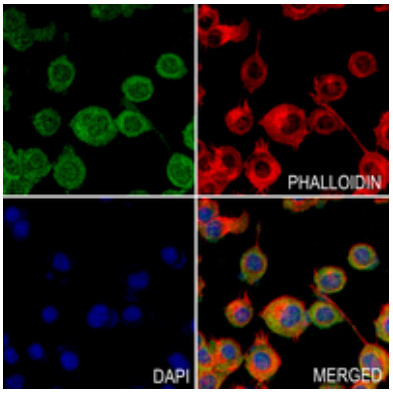
Images



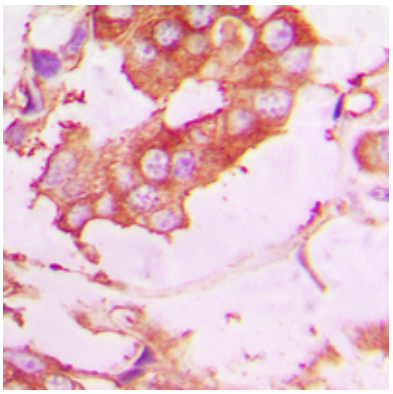
Western blot analysis of EPN2 expression in rat liver (A) whole cell lysates. (Predicted band size: 68 kD; Observed band size: 68 kD)



Immunohistochemical analysis of EPN2 staining in human lung 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 EPN2 staining in BV2 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'.