

Anti-GPRIN2 Antibody

Catalog # AP51244

Product Information

Application	WB, IHC, IF/IC
Primary Accession	O60269
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47450

Additional Information

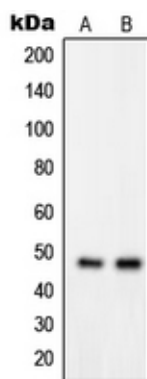
Gene ID	9721
Other Names	KIAA0514; G protein-regulated inducer of neurite outgrowth 2; GRIN2
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human GPRIN2. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
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

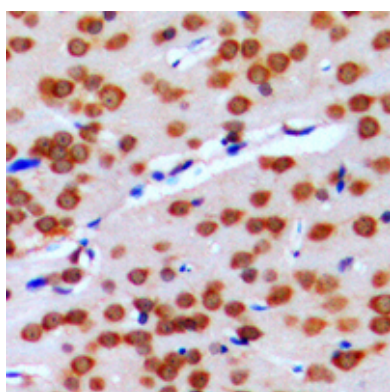
Name	GPRIN2
Synonyms	KIAA0514
Function	May be involved in neurite outgrowth.
Tissue Location	Expressed specifically in the cerebellum.

References

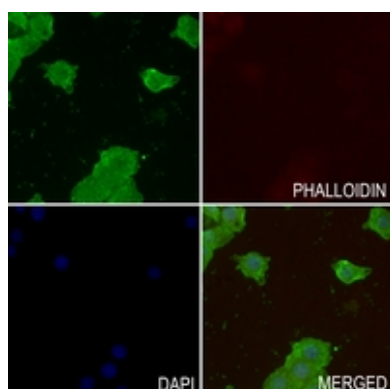
Nagase T.,et al.DNA Res. 5:31-39(1998).
Deloukas P.,et al.Nature 429:375-381(2004).
Chen L.T.,et al.J. Biol. Chem. 274:26931-26938(1999).



Western blot analysis of GPRIN2 expression in MDAMB435 (A), K562 (B) whole cell lysates. (Predicted band size: 47 kD; Observed band size: 47 kD)



Immunohistochemical analysis of GPRIN2 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 GPRIN2 staining in HeLa 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 humidified 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'.