

Anti-NXPH1 Antibody

Catalog # AP51406

Product Information

Application	WB, IHC, IF/IC
Primary Accession	P58417
Reactivity	Human, Mouse, Rat, Bovine, Dog, Mk
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31082

Additional Information

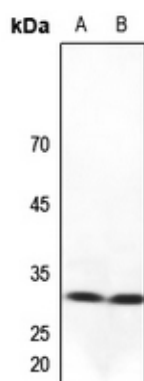
Gene ID	30010
Other Names	NPH1; Neurexophilin-1
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human NXPH1. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 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

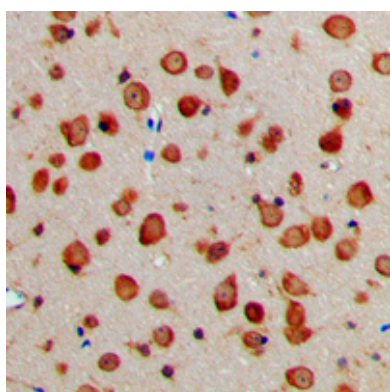
Name	NXPH1
Synonyms	NPH1
Function	May be signaling molecules that resemble neuropeptides and that act by binding to alpha-neurexins and possibly other receptors.
Cellular Location	Secreted.

References

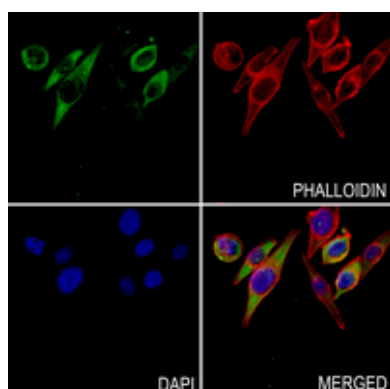
Ohira M.,et al.Cancer Lett. 197:63-68(2003).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Hillier L.W.,et al.Nature 424:157-164(2003).



Western blot analysis of NXPH1 expression in mouse heart (A), rat heart (B) whole cell lysates. (Predicted band size: 31 kD; Observed band size: 31 kD)



Immunohistochemical analysis of NXPH1 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 NXPH1 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 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'.