

GPHRB Rabbit Polyclonal Antibody

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Catalog # AP93393

Product Information

Application	WB
Primary Accession	P0CG08
Reactivity	Human, Rat, Mouse
Host	Polyclonal, Rabbit, IgG
Clonality	Polyclonal
Calculated MW	52917

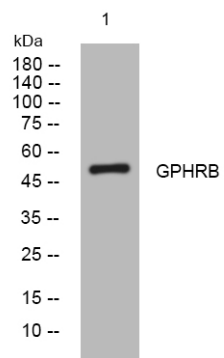
Additional Information

Gene ID	51463;653519
Other Names	Golgi pH regulator B, Protein GPR89B, GPR89B (HGNC:13840)
Dilution	WB~~1:1000
Storage Conditions	-20°C

Protein Information

Name	GPHRB (HGNC:13840)
Function	Voltage-gated channel that enables the transfer of anions such as iodide, chloride, bromide and fluoride which may function in counter-ion conductance and participates in Golgi acidification (PubMed: 18794847). Plays a role in lymphocyte development, probably by acting as a RABL3 effector in hematopoietic cells (By similarity). Essential for maintaining the acidic luminal pH of the Golgi apparatus in neurons, which is important for preserving Golgi structural integrity (By similarity). This integrity supports proper axonal transport and synaptic maintenance in cerebellar inhibitory neurons, including Purkinje and basket cells (By similarity). Additionally, Golgi acidification facilitates the activation of SREBP2, thereby ensuring sufficient cholesterol biosynthesis necessary for normal neuronal morphology and function (By similarity).
Cellular Location	Golgi apparatus membrane; Multi-pass membrane protein
Tissue Location	Ubiquitous..

Images



Western blot analysis of lysates from SH-SY5Y cells,
primary antibody was diluted at 1:1000, 4° over night

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