

For Research Use Only

PHLDB2 Polyclonal antibody

Catalog Number: 27940-1-AP



Basic Information

Catalog Number: 27940-1-AP	GenBank Accession Number: BC142678	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 800 µg/ml by Nanodrop and 433 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 90102	Recommended Dilutions: WB 1:1000-1:8000
Source: Rabbit	Full Name: pleckstrin homology-like domain, family B, member 2	
Isotype: IgG	Calculated MW: 1253 aa, 142 kDa	
Immunogen Catalog Number: AG27331	Observed MW: 150 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A431 cells,
Species Specificity: Human	

Background Information

The pleckstrin homology-like domain (PHLD) class of proteins are multifunctional proteins comprised of two families of proteins, PHLDA and PHLDB, each with 3 members: PHLDA1, PHLDA2, PHLDA3, PHLDB1, PHLDB2, and PHLDB3 (PMID: 32429563). All the family members possess a pleckstrin homology (PH) domain. PHLB2, also known as LL5-beta, contains two predicted coiled-coil domains, a serine-rich region predicted to contain multiple protein kinase C phosphorylation sites in addition to a PH domain (PMID: 15851520). PHLB2 is a filamin-binding protein that is an effector of the PI3K signaling pathway (PMID: 17174070). It is a PtdIns(3,4,5)P₃ (PIP₃) binding protein and can translocate to the plasma membrane in a receptor and PI3K-dependant manner (PMID: 12376540). PHLB2 has also been reported as a component of the postsynaptic apparatus and a regulator of postsynaptic differentiation (PMID: 15851520).

Storage

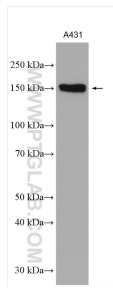
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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Selected Validation Data



A431 cells were subjected to SDS PAGE followed by western blot with 27940-1-AP (PHLDB2 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.