

For Research Use Only

INPP5A Recombinant antibody, PBS Only

Catalog Number: 86001-1-PBS



Basic Information

Catalog Number: 86001-1-PBS	GenBank Accession Number: BC096280	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3632	CloneNo.: 250584C3
Source: Rabbit	UNIPROT ID: Q14642	
Isotype: IgG	Full Name: inositol polyphosphate-5-phosphatase, 40kDa	
Immunogen Catalog Number: AG16380	Calculated MW: 412 aa, 48 kDa	
	Observed MW: 45 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

INPP5A (Inositol Polyphosphate-5-Phosphatase A) is a membrane-bound type I inositol 1,4,5-trisphosphate 5-phosphatase that is involved in the mobilization of intracellular calcium ions and the regulation of cellular responses to stimuli. It terminates calcium signaling by hydrolyzing inositol 1,4,5-trisphosphate (InsP3) and inositol 1,3,4,5-tetrakisphosphate (InsP4). INPP5A plays important roles in various cellular processes, including cell proliferation, apoptosis, vesicular transport, and insulin signaling. Additionally, INPP5A is crucial for the survival of cerebellar Purkinje cells. In certain cancers, such as cutaneous squamous cell carcinoma (cSCC) and esophageal squamous cell carcinoma (ESCC), the expression levels of INPP5A are closely related to disease progression and prognosis.

Storage

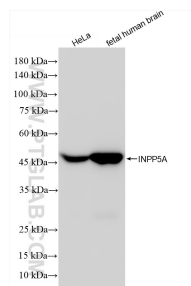
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

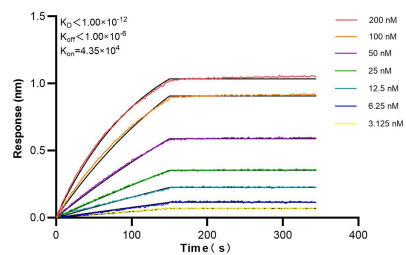
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86001-1-RR (INPP5A antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86001-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86001-1-RR against Human INPP5A were performed. The affinity constant is below 1 pM.