

For Research Use Only

NUAK2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84849-4-PBS



Basic Information

Catalog Number: 84849-4-PBS	GenBank Accession Number: NM_030952	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 81788	CloneNo.: 242220C1
Source: Rabbit	UNIPROT ID: Q9H093	
Isotype: IgG	Full Name: NUAK family, SNF1-like kinase, 2	
Immunogen Catalog Number: AG35302	Calculated MW: 70kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, Sandwich ELISA, Indirect ELISA, Sample test

Species Specificity:
human

Product Information

84849-4-PBS targets NUAK2 as part of a matched antibody pair:

MP01626-3: 84849-2-PBS capture and 84849-4-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

NUAK2, also known as OMPHK2 and SNARK, is the fourth member of the AMPK kinase family. The molecular mass of NUAK2 is 69 kDa and it plays a key role in neural tube closure during embryonic development (PMID: 32845958).

Storage

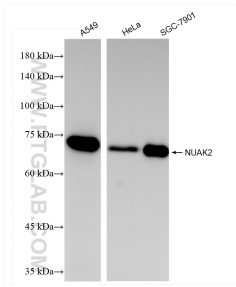
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

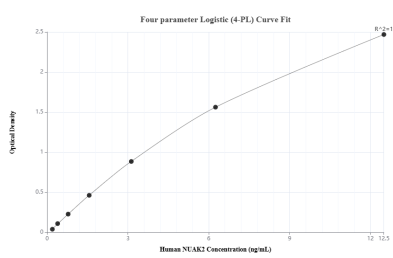
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

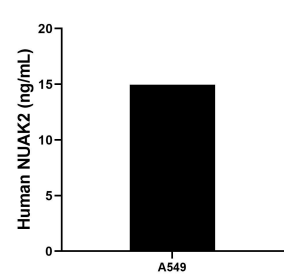
Selected Validation Data



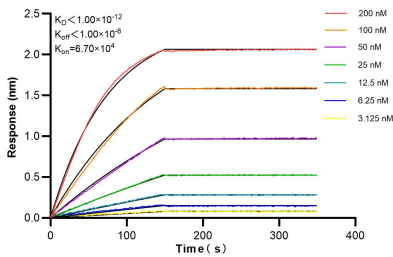
Various lysates were subjected to SDS PAGE followed by western blot with 84849-4-RR (NUAK2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84849-4-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01626-3, Human NUA2 Recombinant Matched Antibody Pair - PBS only. 84849-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag35302. 84849-4-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL



The mean NUA2 concentration was determined to be 14.95 ng/mL in A549 cell extract based on a 2.3 mg/mL extract load.



Biolayer interferometry (BLI) kinetic assays of 84849-4-RR against Human NUA2 were performed. The affinity constant is below 1 pM.