

For Research Use Only

ANP32B Monoclonal antibody, PBS Only (Capture)



Catalog Number: 66160-1-PBS

Featured Product

Basic Information

Catalog Number: 66160-1-PBS	GenBank Accession Number: BC013003	Purification Method: Protein A purification
Size: 100ug, Concentration: 1mg/ml by Nanodrop;	GeneID (NCBI): 10541	CloneNo.: 5A1F12
Source: Mouse	UNIPROT ID: Q92688	
Isotype: IgG2b	Full Name: acidic (leucine-rich) nuclear phosphoprotein 32 family, member B	
Immunogen Catalog Number: AG1274	Calculated MW: 29 kDa	
	Observed MW: 29 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

66160-1-PBS targets ANP32B as part of a matched antibody pair:

MP50363-1: 66160-1-PBS capture and 66160-2-PBS detection (validated in Cytometric bead array)

MP50363-2: 66160-1-PBS capture and 66160-3-PBS detection (validated in Cytometric bead array)

Unconjugated mouse monoclonal antibody pair in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation.

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

ANP32B is a member of the highly conserved acidic leucine-rich nuclear phosphoprotein 32 (ANP32) family. The ANP32 proteins have been implicated in a broad array of physiological processes, including cell differentiation, apoptotic cell death, and cell proliferation. ANP32B was identified as a novel direct substrate for caspase-3 and acted as a negative regulator for leukemic cell apoptosis. ANP32B controls the expression of the dendritic cell maturation factor CD83 by regulating the transport of its mRNA to the cytoplasm. It also modulates the activity of the transcription factor Kruppel-like factor 5 (KLF5).

Storage

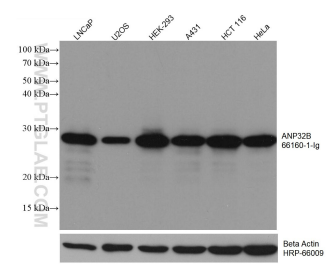
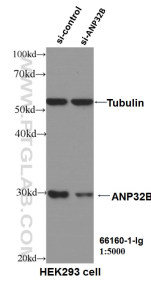
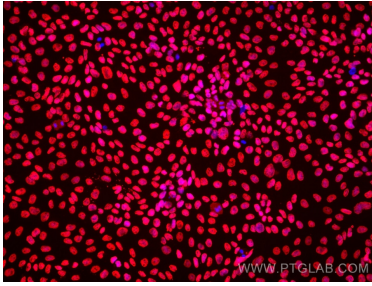
Storage:
Store at -80°C.

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

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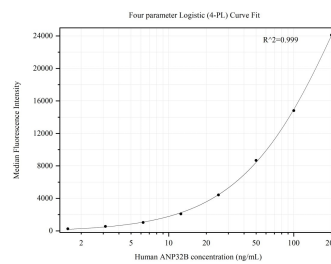
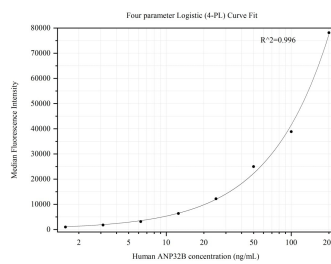
Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A431 cells using ANP32B antibody (66160-1-Ig, Clone: 5A1F12) at dilution of 1:1800 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004). This data was developed using the same antibody clone with 66160-1-PBS in a different storage buffer formulation.

WB result of ANP32B antibody (66160-1-Ig, 1:5000) with si-control and si-ANP32B transfected HEK293 cells. This data was developed using the same antibody clone with 66160-1-PBS in a different storage buffer formulation.

Various lysates were subjected to SDS PAGE followed by western blot with 66160-1-Ig (ANP32B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 66160-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP50363-1, ANP32B Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66160-1-PBS. Detection antibody: 66160-2-PBS. Standard: Ag1274. Range: 1.563-200 ng/mL.

Cytometric bead array standard curve of MP50363-2, ANP32B Monoclonal Matched Antibody Pair, PBS Only. Capture antibody: 66160-1-PBS. Detection antibody: 66160-3-PBS. Standard: Ag1274. Range: 1.563-200 ng/mL.