

For Research Use Only

ASIC1 Recombinant antibody, PBS Only (Capture)

Catalog Number: 85089-1-PBS



Basic Information

Catalog Number: 85089-1-PBS	GenBank Accession Number: NM_001095	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 41	CloneNo.: 242749B11
Source: Rabbit	UNIPROT ID: P78348	
Isotype: IgG	Full Name: amiloride-sensitive cation channel 2, neuronal	
Immunogen Catalog Number: AG25941	Calculated MW: 60 kDa	
	Observed MW: 60-70 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

85089-1-PBS targets ASIC1 as part of a matched antibody pair:

MP01789-1: 85089-1-PBS capture and 85089-3-PBS detection (validated in Cytometric bead array)

MP01789-2: 85089-1-PBS capture and 85089-2-PBS detection (validated in Cytometric bead array)

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

ASIC1 (Acid-sensing ion channel 1), also named as ACCN2, BNaC2 or amiloride-sensitive cation channel 2, is a member of the ASICs family. ASICs, an H⁺-gated subgroup of the epithelial Na⁺ channel/degnerin (ENaC/DEG) superfamily, are widely expressed throughout the central and peripheral nervous system and triggered by increased extracellular acidification (PMID: 28518134, 27941930). ASIC1 is a key player in acidosis-induced tumor growth and invasiveness. Clinically, alterations of ASIC1 are associated with poor survival in breast cancer (PMID: 26686084).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

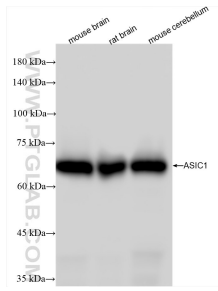
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

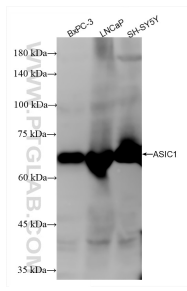
E: proteintech@ptglab.com
W: ptglab.com

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

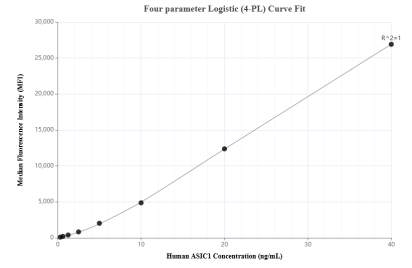
Selected Validation Data



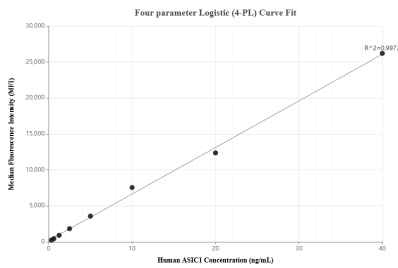
Various lysates were subjected to SDS PAGE followed by western blot with 85089-1-RR (ASIC1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85089-1-PBS in a different storage buffer formulation.



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Cytometric bead array standard curve of MP01789-2, ASIC1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85089-1-PBS. Detection antibody: 85089-2-PBS. Standard: Ag25941. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP01789-1, ASIC1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85089-1-PBS. Detection antibody: 85089-3-PBS. Standard: Ag25941. Range: 0.313-40 ng/mL.