

For Research Use Only

Sam68 Recombinant monoclonal antibody, PBS Only (Capture/Detector)

Catalog Number: 88301-1-PBS



Basic Information

Catalog Number: 88301-1-PBS	GenBank Accession Number: BC000717	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10657	CloneNo.: 260478D3
Source: Rabbit	UNIPROT ID: Q07666	
Isotype: IgG	Full Name: KH domain containing, RNA binding, signal transduction associated 1	
Immunogen Catalog Number: AG0235	Calculated MW: 48 kDa	
	Observed MW: 68 kDa	

Applications

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

Species Specificity:
human, mouse, rat

Product Information

88301-1-PBS targets Sam68 as part of a matched antibody pair:

MP03453-1: 88301-2-PBS capture and 88301-1-PBS detection (validated in Cytometric bead array)

MP03453-2: 88301-1-PBS capture and 88301-3-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

KHDRBS1, also named as SAM68, p62 and p68, belongs to the KHDRBS family. It is recruited and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and INS receptors. Once phosphorylated, KHDRBS1 functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins. It represses CBP-dependent transcriptional activation apparently by competing with other nuclear factors for binding to CBP.

Storage

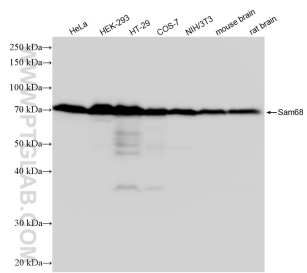
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

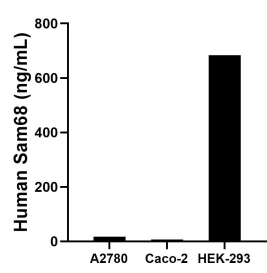
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

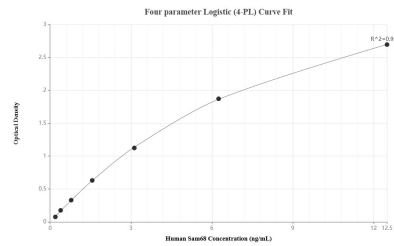
Selected Validation Data



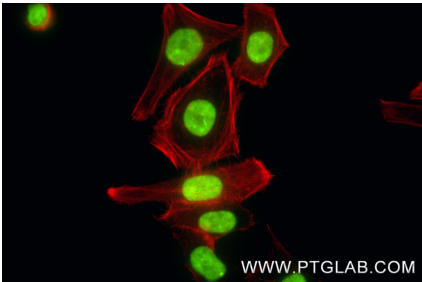
Various lysates were subjected to SDS PAGE followed by western blot with 88301-1-RR (Sam68 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88301-1-PBS in a different storage buffer formulation.



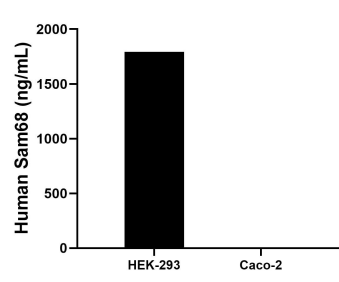
The mean Sam68 concentration was determined to be 17.46 ng/mL in A2780 cell extract based on a 1.2 mg/mL extract load, 6.52 ng/mL in Caco-2 cell extract based on a 1.2 mg/mL extract load and 683.88 ng/mL in HEK-293 cell extract based on a 1.2 mg/mL extract load.



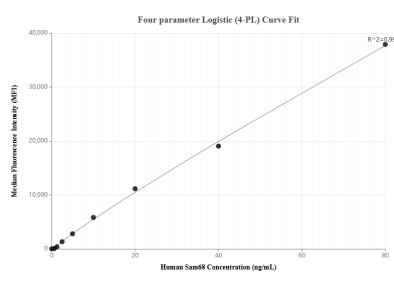
Sandwich ELISA standard curve of MP03453-2, Human Sam68 Recombinant Matched Antibody Pair - PBS only. 88301-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag0235. 88301-3-PBS was HRP conjugated as the detection antibody. Range: 0.195-12.5 ng/mL



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Sam68 antibody (88301-1-RR, Clone: 260478D3) at dilution of 1:1000 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 88301-1-PBS in a different storage buffer formulation.



The mean Sam68 concentration was determined to be 1791.9 ng/mL in HEK-293 cell extract based on a 1.0 mg/mL extract load, 7.8 ng/mL in Caco-2 cell extract based on a 1.0 mg/mL extract load.



Cytometric bead array standard curve of MP03453-1, Sam68 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88301-2-PBS. Detection antibody: 88301-1-PBS. Standard: Ag0235. Range: 0.625-80 ng/mL