

For Research Use Only

Sam68 Polyclonal antibody

Catalog Number: 10222-1-AP **10 Publications**



Basic Information

Catalog Number: 10222-1-AP	GenBank Accession Number: BC000717	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 10657	Recommended Dilutions: WB 1:1000-1:4000
Source: Rabbit	UNIPROT ID: Q07666	IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate
Isotype: IgG	Full Name: KH domain containing, RNA binding, signal transduction associated 1	IHC 1:20-1:200
Immunogen Catalog Number: AG0235	Calculated MW: 48 kDa	IF 1:50-1:500
	Observed MW: 68 kDa	

Applications

Tested Applications:
FC, IF/ICC, IHC, IP, WB, ELISA

Cited Applications:
CoIP, IHC, RIP, WB

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: HT-29 cells, mouse brain tissue, HeLa cells, NIH/3T3 cells, HEK-293 cells, rat brain tissue

IP: HeLa cells,

IHC: human breast cancer tissue,

IF: mouse brain tissue,

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. KHDRBS1 also acts as a putative regulator of mRNA stability and/or translation rates and mediates mRNA nuclear export. KHDRBS1 has three isoforms with calculated MW of 44-48 kD. For isoform with a calculated MW of 48.2 kD, it migrated as a 68 kD protein on SDS-PAGE gels [PMID: 10564820]. This is a rabbit polyclonal antibody raised against residues near the N terminus of human KHDRBS1.

Notable Publications

Author	Pubmed ID	Journal	Application
Xin Yu	36247240	Am J Transl Res	IHC, WB
Song Zhu	33537092	Theranostics	IHC
Cira Dansokho	26912648	Brain	IHC

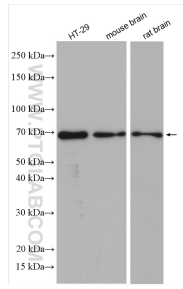
Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

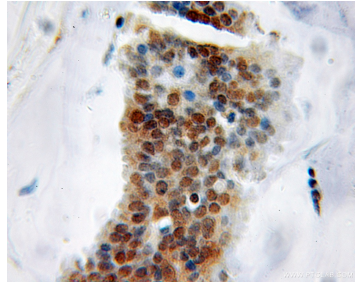
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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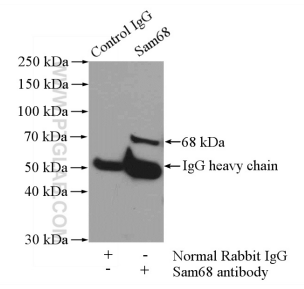
Selected Validation Data



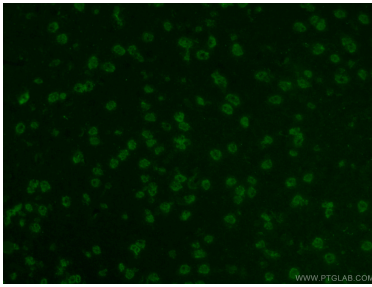
Various lysates were subjected to SDS PAGE followed by western blot with 10222-1-AP (Sam68 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



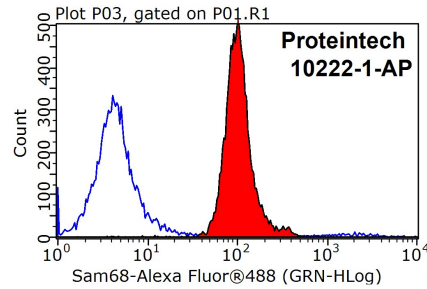
Immunohistochemical analysis of paraffin-embedded human breast cancer using 10222-1-AP (KHDRBS1 antibody) at dilution of 1:50 (under 10x lens).



IP result of anti-Sam68 (IP:10222-1-AP, 4ug; Detection:10222-1-AP 1:1000) with HeLa cells lysate 1200ug.



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 10222-1-AP (Sam68 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



1X10⁶ MCF-7 cells were stained with 0.2ug Sam68 antibody (10222-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1000.