For Research Use Only

Sam68 Polyclonal antibody, PBS Only

Catalog Number:10222-1-PBS Featured Product

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
10222-1-PBS

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0235

GenBank Accession Number:
BC000717

GeneID (NCBI):
10657

UNIPROT ID:
Q07666

Full Name:
KH domain containing, RNA binding, signal transduction associated 1

Calculated MW:
48 kDa

Observed MW:
68 kDa

Purification Method:
Antigen affinity purification

Applications

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

Species Specificity:
human, mouse, rat

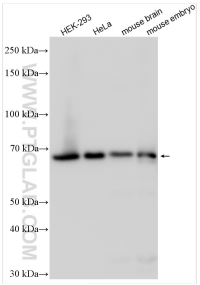
Background Information

KHDRBS1, also named as SAM68, p62and 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 44-48kd. For isoform with a calculated MW of 48.2 kD, it migrated as a 68kD protein on SDS-PAGE gels[PMID: 10564820]. This ia a rabbit polyclonal antibody raised against residues near the N terminus of human Sam68.

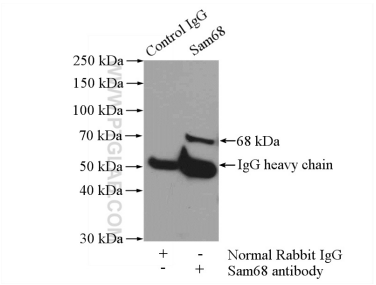
Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS only, pH7.3

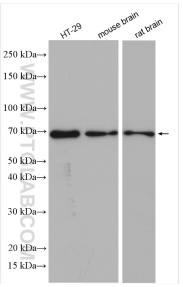
Selected Validation Data



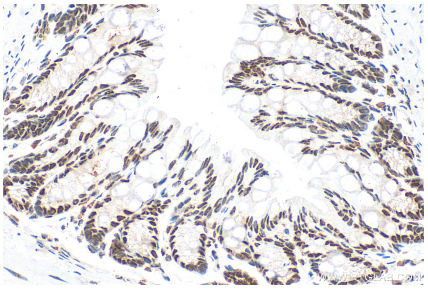
Various lysates were subjected to SDS PAGE followed by western blot with 10222-1-AP (Sam68 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.



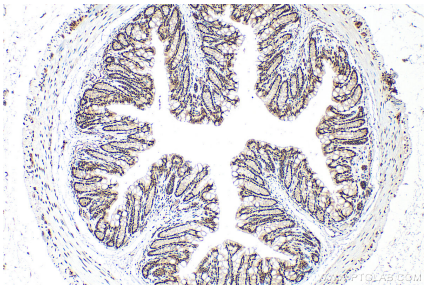
IP result of anti-Sam68 (IP:10222-1-AP, 4ug; Detection:10222-1-AP 1:1000) with HeLa cells lysate 1200ug. This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.



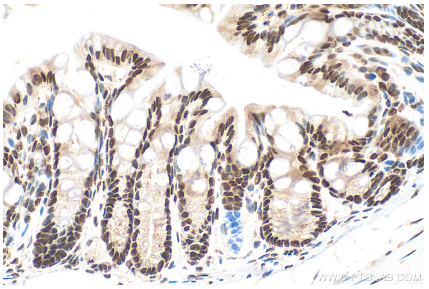
Various lysates were subjected to SDS PAGE followed by western blot with 10222-1-AP (Sam68 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.



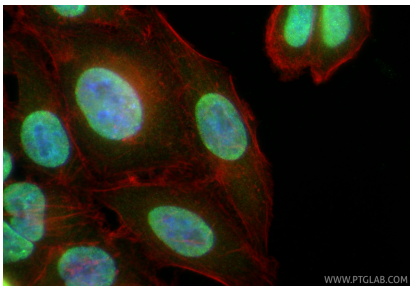
Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10222-1-AP (Sam68 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10222-1-AP (Sam68 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse colon tissue slide using 10222-1-AP (Sam68 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Sam68 antibody (10222-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red). This data was developed using the same antibody clone with 10222-1-PBS in a different storage buffer formulation.