



Sam 68 Polyclonal Antibody

Catalog No	BYab-04185
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	KHDRBS1
Protein Name	KH domain-containing RNA-binding signal transduction-associated protein 1
Immunogen	The antiserum was produced against synthesized peptide derived from human Sam 68. AA range:96-145
Specificity	Sam 68 Polyclonal Antibody detects endogenous levels of Sam 68 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	KHDRBS1; SAM68; KH domain-containing; RNA-binding, signal transduction-associated protein 1; GAP-associated tyrosine phosphoprotein p62; Src-associated in mitosis 68 kDa protein; Sam68; p21 Ras GTPase-activating protein-associated p62; p68
Observed Band	68kD
Cell Pathway	Nucleus . Cytoplasm . Membrane . Predominantly located in the nucleus but also located partially in the cytoplasm
Tissue Specificity	Ubiquitously expressed in all tissue examined. Isoform 1 is expressed at lower levels in brain, skeletal muscle, and liver whereas isoform 3 is intensified in skeletal muscle and in liver.
Function	developmental stage:Isoform 3 is only expressed in growth-arrested cells.,domain:The KH domain is required for binding to RNA.,domain:The Pro-rich domains are flanked by Arg/Gly-rich motifs which can be asymmetric dimethylated on arginine residues to give the DMA/Gly-rich regions. Selective methlylation on these motifs can modulate protein-protein interactions.,function:Isoform 3, which is expressed in growth-arrested cells only, inhibits S phase.,function:Recruited
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网址: www.njbybio.com 官方热线: 025-5229-8998 监督电话: 15950492658

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	and tyrosine phosphorylated by several receptor systems, for example the T-cell, leptin and insulin receptors. Once phosphorylated, functions as an adapter protein in signal transduction cascades by binding to SH2 and SH3 domain-containing proteins. Role in G2-M progression in the cell cycle. Represses CBP-dependent transcriptional activation apparently by competing with other nuclear factors for binding to CBP. Also acts as
Background	This gene encodes a member of the K homology domain-containing, RNA-binding, signal transduction-associated protein family. The encoded protein appears to have many functions and may be involved in a variety of cellular processes, including alternative splicing, cell cycle regulation, RNA 3'-end formation, tumorigenesis, and regulation of human immunodeficiency virus gene expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

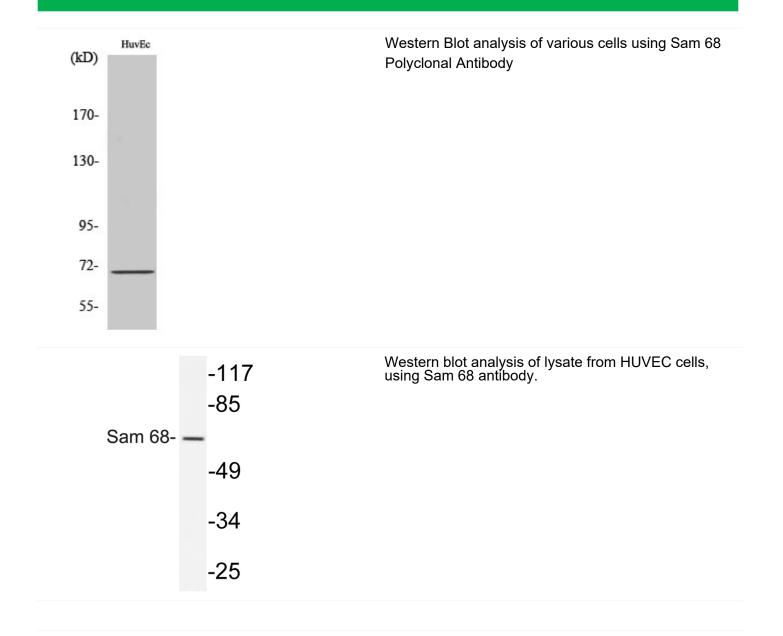
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