

Sam 68 Polyclonal Antibody

Catalog No :	YT4209
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA
Target :	Sam 68
Gene Name :	KHDRBS1
Protein Name :	KH domain-containing RNA-binding signal transduction-associated protein 1
Human Gene Id :	10657
Human Swiss Prot No :	Q07666
Mouse Gene Id :	20218
Mouse Swiss Prot No :	Q60749
Rat Gene Id :	117268
Rat Swiss Prot No :	Q91V33
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
Dilution :	WB 1:500 - 1:2000. ELISA: 1:10000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 68kD

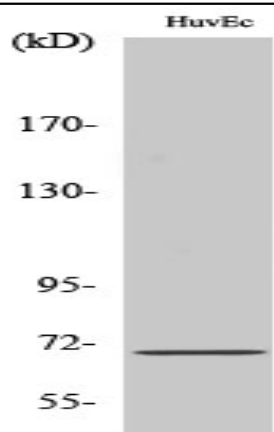
Background : This gene encodes a member of the K homology domain-containing, RNA-binding, signal transduction-associated protein family. The encoded protein appears to have many functions and may be involved in a variety of cellular processes, including alternative splicing, cell cycle regulation, RNA 3'-end formation, tumorigenesis, and regulation of human immunodeficiency virus gene expression. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012],

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 methylation on these motifs can modulate protein-protein interactions.,function:Isoform 3, which is expressed in growth-arrested cells only, inhibits S phase.,function:Recruited 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

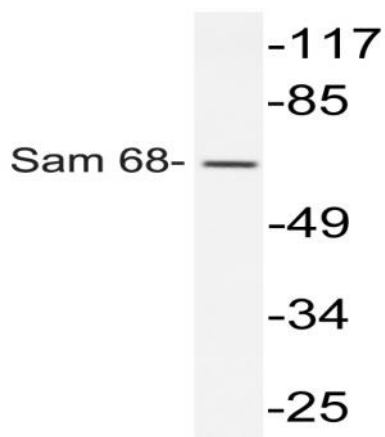
Subcellular Location : Nucleus . Cytoplasm . Membrane . Predominantly located in the nucleus but also located partially in the cytoplasm. .

Expression : 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.

Products Images



Western Blot analysis of various cells using Sam 68 Polyclonal Antibody



Western blot analysis of lysate from HUVEC cells, using Sam 68 antibody.