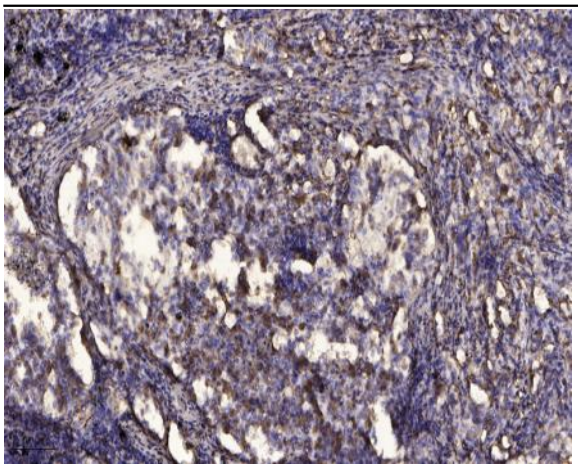
Best Tools for immunology Research

Sin1 (Phospho Thr86) rabbit pAb

Catalog No :	YP1494
Reactivity :	Human;Mouse
Applications :	WB;ELISA;IHC
Target :	Sin1
Fields :	>>mTOR signaling pathway
Gene Name :	MAPKAP1 MIP1 SIN1
Protein Name :	Sin1 (Thr86)
Human Gene Id :	79109
Human Swiss Prot No :	Q9BPZ7
Mouse Gene Id :	227743
Mouse Swiss Prot No :	Q8BKH7
Rat Gene Id :	296648
Rat Swiss Prot No :	Q6AYF1
Immunogen :	Synthesized phosho peptide around human Sin1 (Thr86)
Specificity :	This antibody detects endogenous levels of Human Mouse Sin1 (phospho-Thr86)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

Purification :	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	58kD
Background :	This gene encodes a protein that is highly similar to the yeast SIN1 protein, a stress-activated protein kinase. Alternatively spliced transcript variants encoding distinct isoforms have been described. Alternate polyadenylation sites as well as alternate 3' UTRs have been identified for transcripts of this gene. [provided by RefSeq, Jul 2008],
Function :	function:Essential component of the TORC2 complex, which plays a critical role in AKT1 'Ser-473' phosphorylation, and may modulate the phosphorylation of PKCA and regulate actin cytoskeleton organization. Inhibits MAP3K2 by preventing its dimerization and autophosphorylation. Inhibits HRAS and KRAs signaling. Enhances osmotic stress-induced phosphorylation of ATF2 and ATF2-mediated transcription.,similarity:Belongs to the SIN1 family.,subunit:All isoforms except isoform 4 are able to be part of the target of rapamycin 2 complex (TORC2) comprised of FRAP1, LST8, PROTOR1, RICTOR and MAPKAP1. Interacts with ATF2, MAP3K2 and MAPK8. Interacts with GTP-bound HRAS and KRAS. Interacts with IFNAR2.,tissue specificity:Ubiquitously expressed, with highest levels in heart and skeletal muscle.,
Subcellular Location :	Cell membrane; Peripheral membrane protein. Cytoplasmic vesicle. Nucleus.
Expression :	Ubiquitously expressed, with highest levels in heart and skeletal muscle.
Sort :	16336
No4 :	1
Host :	Rabbit
Modifications :	Phospho

Products Images



Immunohistochemical analysis of paraffin-embedded human Squamous cell carcinoma of lung. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).