

SIN1 (Phospho Thr86) Rabbit pAb

CatalogNo: YP1494

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA, IHC

MW

- 58kD (Observed)

Isotype

- IgG

Storage

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

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Recommended Dilution Ratios

WB 1:500-2000

IHC 1:50-300

ELISA 1:2000-20000

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized phospho peptide around human Sin1 (Thr86)

Specificity This antibody detects endogenous levels of Human Mouse Sin1 (phospho-Thr86)

Target Information

Gene name MAPKAP1 MIP1 SIN1

Protein Name Target of rapamycin complex 2 subunit MAPKAP1

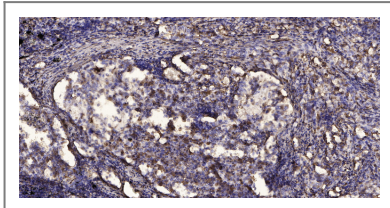
Organism	Gene ID	UniProt ID
Human	79109 ;	Q9BPZ7 ;
Mouse	227743 ;	Q8BKH7 ;
Rat	296648 ;	Q6AYF1 ;

Cellular Localization Cell membrane; Peripheral membrane protein. Cytoplasmic vesicle. Nucleus.

Tissue specificity Ubiquitously expressed , with highest levels in heart and skeletal muscle.

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. ,

Validation Data



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

Contact information

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