

Krs-2 (PT0892R) PT® Rabbit mAb

CatalogNo: YM8758 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB, IHC, IF, IP, ELISA

MW

- 56kD (Calculated)
- 56kD (Observed)

Isotype

- IgG, Kappa

Recommended Dilution Ratios

IHC 1:200-1:1000

WB 1:2000-1:10000

IF 1:200-1:1000

ELISA 1:5000-1:20000

IP 1:50-1:200

Storage

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

Formulation PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

Basic Information

Clonality Monoclonal

Clone Number PT0892R

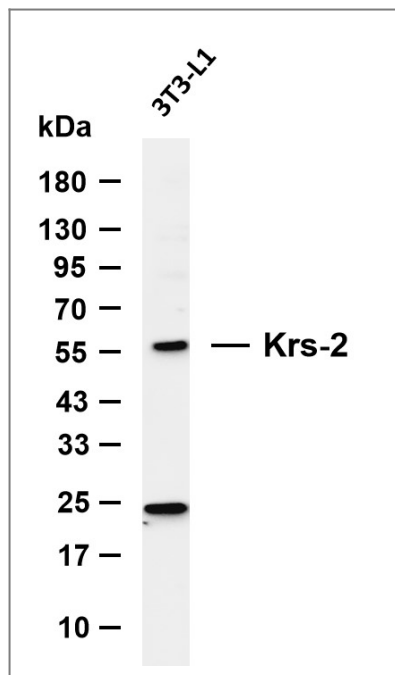
Immunogen Information

Specificity Endogenous

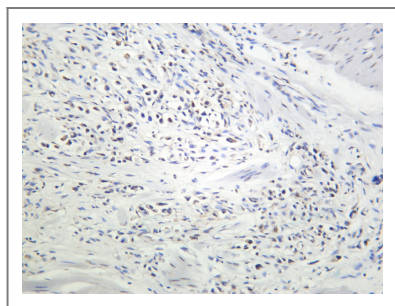
| Target Information

Gene name	STK4		
Protein Name	Serine/threonine-protein kinase 4		
	Organism	Gene ID	UniProt ID
	Human	6789 ;	Q13043 ;
Cellular Localization	Cytoplasm . Nucleus . The caspase-cleaved form cycles between nucleus and cytoplasm (PubMed:19525978, PubMed:11278283). Phosphorylation at Thr-117 leads to inhibition of nuclear translocation (PubMed:19525978). .		
Tissue specificity	Expressed at high levels in adult kidney, skeletal and placenta tissues and at very low levels in adult heart, lung and brain tissues.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,cofactor:Magnesium.,enzyme regulation:Inhibited by the C-terminal non-catalytic region. Activated by caspase-cleavage. Full activation also requires homodimerization and autophosphorylation of Thr-180, which are inhibited by the proto-oncogene product RAF1.,Function:Stress-activated, pro-apoptotic kinase which, following caspase-cleavage, enters the nucleus and induces chromatin condensation followed by internucleosomal DNA fragmentation. Phosphorylates NKX2-1 (By similarity). Phosphorylates and activates LATS1 and LATS2.,similarity:Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily.,similarity:Contains 1 protein kinase domain.,similarity:Contains 1 SARAH domain.,subcellular location:The caspase-cleaved form cycles between nucleus and cytoplasm.,subunit:Homodimer; mediated via the coiled-coil region. Interacts with NORE1, which inhibits autoactivation (By similarity). Interacts with and stabilizes SAV1. Interacts with RAF1, which prevents dimerization and phosphorylation. Interacts with RASSF1, which leads to enzyme activation.,tissue specificity:Expressed at high levels in adult kidney, skeletal and placenta tissues and at very low levels in adult heart, lung and brain tissues.,		

| Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Serine/threonine-protein kinase 4 (PT0892R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: 3T3-L1 Predicted band size: 56kDa Observed band size: 56kDa



Human gastric carcinoma was stained with anti-Krs-2 (PT0892R) Rabbit antibody

Contact information

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Please scan the QR code to access additional product information:
Krs-2 (PT0892R)
PT® Rabbit mAb

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