

VRK1 Rabbit pAb

CatalogNo: YN1272

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse

Applications

- WB, ELISA

MW

- 43kD (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

ELISA 1:5000-20000

Basic Information

Clonality

Polyclonal

Immunogen Information

Immunogen

Synthesized peptide derived from part region of human protein

Specificity

VRK1 Polyclonal Antibody detects endogenous levels of protein.

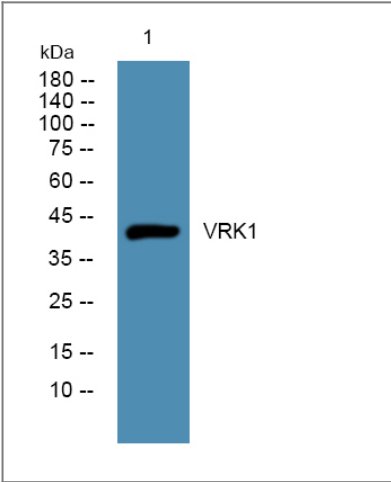
Target Information

Gene name

VRK1

Protein Name	Serine/threonine-protein kinase VRK1 (Vaccinia-related kinase 1)		
	Organism	Gene ID	UniProt ID
	Human	7443;	Q99986;
	Mouse		Q80X41;
Cellular Localization	Nucleus . Cytoplasm . Dispersed throughout the cell but not located on mitotic spindle or chromatids during mitosis.		
Tissue specificity	Widely expressed. Highly expressed in fetal liver, testis and thymus.		
Function	Catalytic activity:ATP + a protein = ADP + a phosphoprotein.,enzyme regulation:Active in presence of Mn(2+), Mg(2+) and Zn(2+), but is not functional with Ca(2+) or Cu(2+). Has a higher affinity for Mn(2+) than for Mg(2+).,Function:Serine/threonine kinase that phosphorylates 'Thr-18' of p53/TP53 and may thereby prevent the interaction between p53/TP53 and MDM2.,PTM:Autophosphorylated at various serine and threonine residues. Autophosphorylation does not impair its ability to phosphorylate p53/TP53.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. VRK subfamily.,similarity:Contains 1 protein kinase domain.,subcellular location:Dispersed throughout the cell but not located on mitotic spindle or chromatids during mitosis.,tissue specificity:Widely expressed. Highly expressed in fetal liver, testis and thymus.,		

Validation Data



Western blot analysis of lysates from SH-SY5Y cells, primary antibody was diluted at 1:1000, 4°C over night

Contact information

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VRK1 Rabbit pAb

