

## VRK2 Polyclonal Antibody

<b>Catalog No :</b>	YT4892
<b>Reactivity :</b>	Human;Mouse
<b>Applications :</b>	WB;ELISA
<b>Target :</b>	VRK2
<b>Gene Name :</b>	VRK2
<b>Protein Name :</b>	Serine/threonine-protein kinase VRK2
<b>Human Gene Id :</b>	7444
<b>Human Swiss Prot No :</b>	Q86Y07
<b>Mouse Gene Id :</b>	69922
<b>Mouse Swiss Prot No :</b>	Q8BN21
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human VRK2. AA range:171-220
<b>Specificity :</b>	VRK2 Polyclonal Antibody detects endogenous levels of VRK2 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500 - 1:2000. ELISA: 1:20000. Not yet tested in other applications.
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)

**Observed Band :** 55kD

**Background :** vaccinia related kinase 2(VRK2) Homo sapiens This gene encodes a member of the vaccinia-related kinase (VRK) family of serine/threonine protein kinases. The encoded protein acts as an effector of signaling pathways that regulate apoptosis and tumor cell growth. Variants in this gene have been associated with schizophrenia. Alternative splicing results in multiple transcript variants that differ in their subcellular localization and biological activity. [provided by RefSeq, Jan 2014],

**Function :** catalytic activity:ATP + a protein = ADP + a phosphoprotein.,function:Probable serine/threonine kinase.,similarity:Belongs to the protein kinase superfamily. CK1 Ser/Thr protein kinase family. VRK subfamily.,similarity:Contains 1 protein kinase domain.,tissue specificity:Widely expressed. Highly expressed in fetal liver, skeletal muscle, pancreas, heart, peripheral blood leukocytes and testis.,

**Subcellular Location :** [Isoform 1]: Cytoplasm . Endoplasmic reticulum membrane ; Single-pass type IV membrane protein . Mitochondrion membrane ; Single-pass type IV membrane protein . Nucleus envelope .; [Isoform 2]: Cytoplasm . Nucleus .

**Expression :** Isoform 1 and isoform 2 are expressed in various tumor cell lines. Expression of isoform 1 inversely correlates with ERBB2 in breast carcinomas (at protein level). Widely expressed. Highly expressed in fetal liver, skeletal muscle, pancreas, heart, peripheral blood leukocytes and testis.

**Sort :** 24211

**No4 :** 1

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