



VRK2 Polyclonal Antibody

Catalog No	YP-Ab-15030
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	VRK2
Immunogen	The antiserum was produced against synthesized peptide derived from human VRK2. AA range:171-220
Specificity	VRK2 Polyclonal Antibody detects endogenous levels of VRK2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Vaccinia-related kinase 2;vaccinia related kinase 2;Serine/threonine-protein kinase VRK2;EC:2.7.11.1;VRK2
Observed Band	55kD
Calculated Molecular Weight	55kD
Cell Pathway	[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 .
Tissue Specificity	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.
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.,



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],

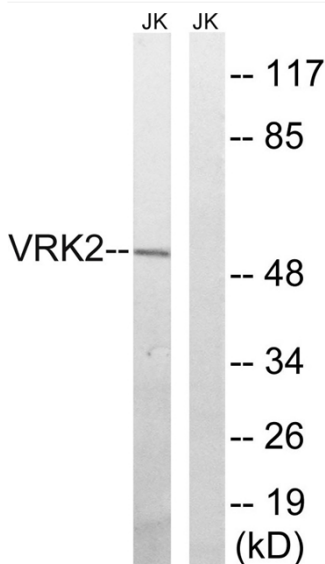
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from Jurkat cells, using VRK2 Antibody. The lane on the right is blocked with the synthesized peptide.