

**VRK2 rabbit pAb****Cat#: orb770386 (Manual)**

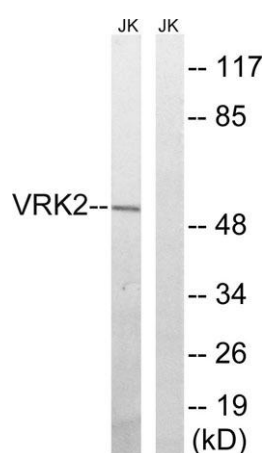
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<b>Product Name</b>	VRK2 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.
<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>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Serine/threonine-protein kinase VRK2
<b>Gene Name</b>	VRK2
<b>Cellular localization</b>	[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 .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	55kD
<b>Human Gene ID</b>	7444
<b>Human Swiss-Prot Number</b>	Q86Y07
<b>Alternative Names</b>	VRK2; Serine/threonine-protein kinase VRK2; Vaccinia-related kinase 2

### 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],



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