

For Research Use Only

VRK2 Recombinant antibody, PBS Only (Capture)

Catalog Number: 84663-1-PBS



Basic Information

Catalog Number: 84663-1-PBS	GenBank Accession Number: BC027854	Purification Method: Protein A purification
Concentration: 1 mg/ml	GeneID (NCBI): 7444	CloneNo.: 242180B2
Source: Rabbit	UNIPROT ID: Q86Y07	
Isotype: IgG	Full Name: vaccinia related kinase 2	
Immunogen Catalog Number: AG4019	Calculated MW: 508 aa, 58 kDa	
	Observed MW: 58 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Background Information

Vaccinia-related kinase 2 (VRK2) is a serine/threonine kinase that plays a significant role in various cellular processes, including cell survival, proliferation, and DNA damage response. The VRK2 gene is known to produce two main splice variants: VRK2A and VRK2B, with VRK2A being the predominant form in humans. VRK2 is involved in several key biological functions. It is known to enhance cell survival by acting as an anti-apoptotic factor, which is particularly crucial in cancer biology. The overexpression of VRK2 has been linked to increased drug sensitivity in cancer cells, suggesting that this kinase may play a role in therapeutic responses. Additionally, high levels of VRK2 protein have been associated with improved survival rates in specific subgroups of astrocytomas, a type of brain tumor. (PMID: 29872222; 37943248; 24079673)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

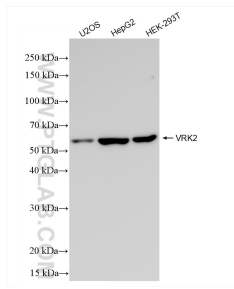
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E: Proteintech-CN@ptglab.com

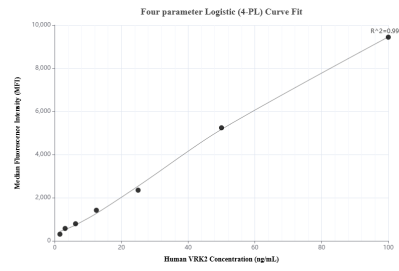
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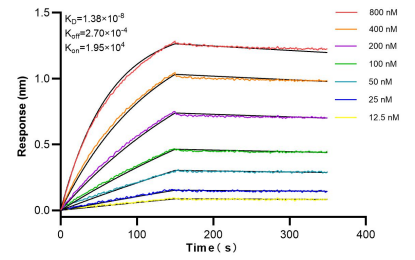
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84663-1-RR (VRK2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84663-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01476-1, VRK2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84663-1-PBS. Detection antibody: 84663-2-PBS. Standard: Ag4019. Range: 1.56-100 ng/mL.



Bi-layer interferometry (BLI) kinetic assays of 84663-1-RR against Human VRK2 were performed. The affinity constant is 13.8 nM.