

For Research Use Only

VRK1 Recombinant antibody, PBS Only (Detector)

Catalog Number: 85598-2-PBS



Basic Information

Catalog Number: 85598-2-PBS	GenBank Accession Number: BC103761	Purification Method: Protein A purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 7443	CloneNo.: 242978A1
Source: Rabbit	UNIPROT ID: Q99986	
Isotype: IgG	Full Name: vaccinia related kinase 1	
Immunogen Catalog Number: AG27754	Calculated MW: 396 aa, 45 kDa	
	Observed MW: 45-50 kDa	

Applications

Tested Applications:
WB, IF/ICC, Cytometric bead array, Indirect ELISA

Species Specificity:
human

Product Information

85598-2-PBS targets VRK1 as part of a matched antibody pair:

MP01967-1: 85598-3-PBS capture and 85598-2-PBS detection (validated in Cytometric bead array)

MP01967-2: 85598-1-PBS capture and 85598-2-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

Background Information

Vaccinia-related kinase 1 (VRK1) is a members of the vaccinia-related kinase (VRK) family of serine/threonine kinases and are principally localized in the nucleus. VRK1 was initially described as a kinase with homology to B1R, a vaccinia virus kinase required for viral DNA replication and the early phase of infection. It has been suggested that VRK1 was overexpressed in numerous human tumors, such as lung carcinomas, hepatocellular carcinoma, breast carcinomas, head and neck squamous cell carcinoma. (PMID: 28927264, PMID: 29103766)

Storage

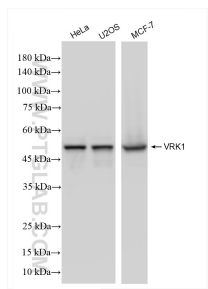
Storage:
Store at -80°C.

Storage Buffer:
PBS only

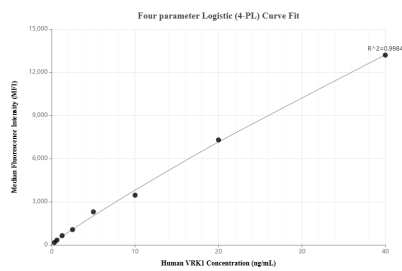
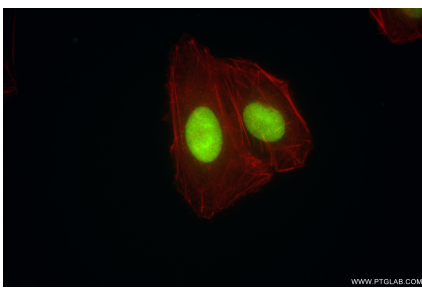
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

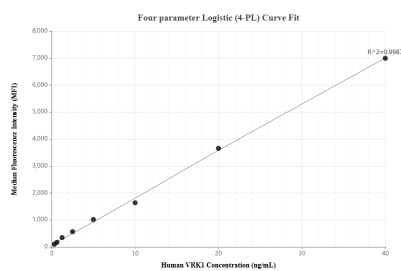
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85598-2-RR (VRK1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85598-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01967-1, VRK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85598-3-PBS. Detection antibody: 85598-2-PBS. Standard: Ag27754. Range: 0.313-40 ng/mL.



Cytometric bead array standard curve of MP01967-2, VRK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 85598-1-PBS. Detection antibody: 85598-2-PBS. Standard: Ag27754. Range: 0.313-40 ng/mL.