

For Research Use Only

DDRKG1 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 86667-2-PBS



Basic Information

Catalog Number: 86667-2-PBS	GenBank Accession Number: BC000643	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 65992	CloneNo.: 251582G2
Source: Rabbit	UNIPROT ID: Q96HY6	
Isotype: IgG	Full Name: DDRKG domain containing 1	
Immunogen Catalog Number: AG13742	Calculated MW: 314 aa, 36 kDa	
	Observed MW: 36-46 kDa	

Applications

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

Species Specificity:
human, mouse, rat

Product Information

86667-2-PBS targets DDRKG1 as part of a matched antibody pair:

MP02579-1: 86667-2-PBS capture and 86667-1-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

DDRKG1, also name as C20orf116, is a member of the DDRKG domain-containing protein family with unknown function. Depletion of DDRKG1 inhibits cell proliferation and invasion. Expression of NF- κ B target genes showed the most significant decrease after depleting of DDRKG1, suggesting that DDRKG1 may play an important role in the NF- κ B signaling pathway. DDRKG1 interacts with I κ B α and regulates its stability, thereby regulates the NF- κ B transcriptional activity. DDRKG1 acts as an important regulator of the NF- κ B pathway. (PMID: 23675531)

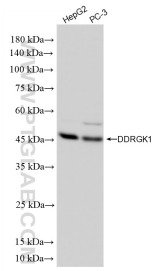
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

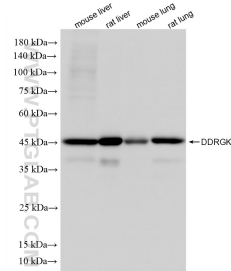
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

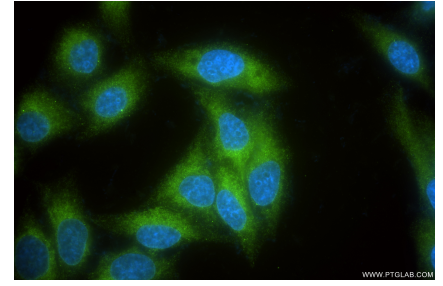
Selected Validation Data



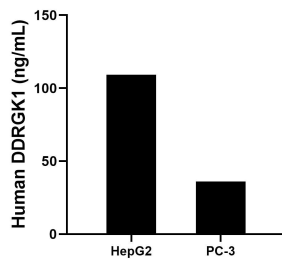
Various lysates were subjected to SDS PAGE followed by western blot with 86667-2-RR (DDRKG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86667-2-PBS in a different storage buffer formulation.



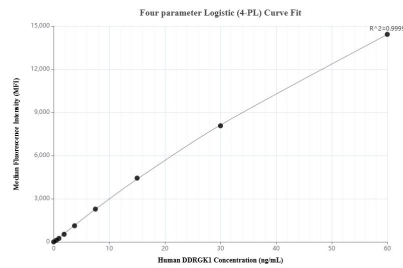
Various lysates were subjected to SDS PAGE followed by western blot with 86667-2-RR (DDRKG1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86667-2-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using DDRKG1 antibody (86667-2-RR, Clone: 251582G2) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). This data was developed using the same antibody clone with 86667-2-PBS in a different storage buffer formulation.



The mean DDRGK1 concentration was determined to be 109.2 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 36.0 ng/mL in PC-3 cell extract based on a 1.3 mg/mL extract load.



Cytometric bead array standard curve of MP02579-1, DDRGK1 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 86667-2-PBS. Detection antibody: 86667-1-PBS. Standard: Ag13742. Range: 0.469-60 ng/mL.