

For Research Use Only

GRB2 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 88060-1-PBS



Basic Information

Catalog Number: 88060-1-PBS	GenBank Accession Number: BC000631	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 2885	CloneNo.: 260129D2
Source: Rabbit	UNIPROT ID: P62993	
Isotype: IgG	Full Name: growth factor receptor-bound protein 2	
Immunogen Catalog Number: AG0395	Calculated MW: 25 kDa	
	Observed MW: 25-28 kDa	

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse, rat

Product Information

88060-1-PBS targets GRB2 as part of a matched antibody pair:

MP03345-1: 88060-1-PBS capture and 88060-2-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

GRB2 (growth factor receptor-bound protein 2) binds the epidermal growth factor receptor and contains one SH2 domain and two SH3 domains. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. N-SH3 domain of Grb2 was involved in the protein vesicular localization including amyloid-beta protein precursor. Involvement of GRB2 in Ras-signaling pathway has been reported, recent finding show that GRB2 may also play a complex role in T and B-cell antigen receptor signaling.

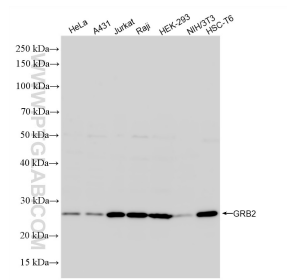
Storage

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

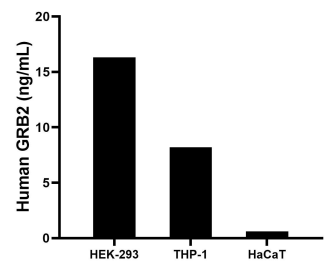
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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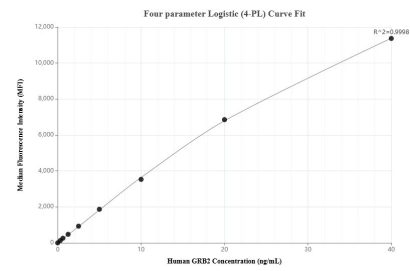
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88060-1-RR (GRB2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 88060-1-PBS in a different storage buffer formulation.



The mean GRB2 concentration was determined to be 16.3 ng/mL in HEK-293 cell extract based on a 1.5 mg/mL extract load, 8.2 ng/mL in THP-1 cell extract based on a 1.5 mg/mL extract load, 0.6 ng/mL in HaCaT cell extract based on a 1.4 mg/mL extract load.



Cytometric bead array standard curve of MP03345-1, GRB2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 88060-1-PBS. Detection antibody: 88060-2-PBS. Standard: Ag0395. Range: 0.312-40 ng/mL.