

For Research Use Only

RIC8B Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87524-1-PBS



Basic Information

Catalog Number:

87524-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11888

GenBank Accession Number:

BC034220

GeneID (NCBI):

55188

UNIPROT ID:

Q9NVN3

Full Name:

resistance to inhibitors of cholinesterase 8 homolog B (C. elegans)

Calculated MW:

495 aa, 61 kDa

Observed MW:

70 kDa

Purification Method:

Protein A purification

CloneNo.:

252908A7

Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

human, mouse, rat, pig

Product Information

87524-1-PBS targets RIC8B as part of a matched antibody pair.

MP03094-1: 87524-2-PBS capture and 87524-1-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

Ric8, also known as synembryn, is a guanine nucleotide exchange factor (GEF) that enhances variegated G protein signaling pathways, including Gα(q) and Gα(s) regulation of neurotransmission, Gα(i)-dependent mitotic spindle positioning during (asymmetric) cell division, and Gα(olf)-dependent odorant receptor signaling (PMID: 21467038). In mammals, two Ric8 homologues have been reported (Ric8A and Ric8B). Ric8B is able to potentiate G(s)/G(olf) signaling (PMID: 15829631; 16754875; 20133939).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

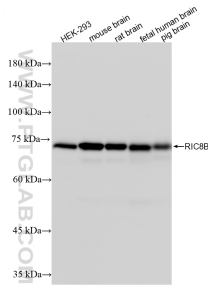
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

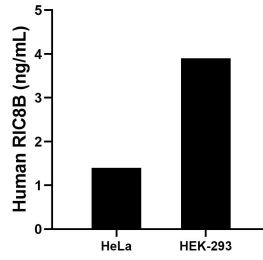
E: proteintech@ptglab.com
W: ptglab.com

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

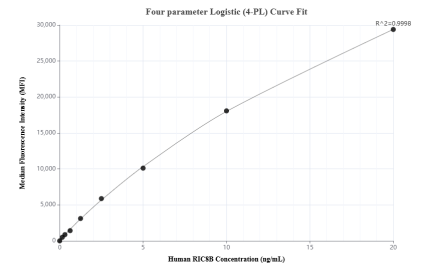
Selected Validation Data



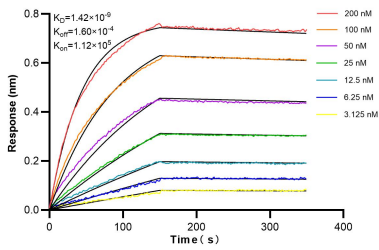
Various lysates were subjected to SDS PAGE followed by western blot with 87524-1-RR (RIC8B antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87524-1-PBS in a different storage buffer formulation.



The mean RIC8B concentration was determined to be 1.4 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 3.9 ng/mL in HEK-293 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03094-1, RIC8B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87524-2-PBS. Detection antibody: 87524-1-PBS. Standard: Ag11888. Range: 0.156-20 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 87524-1-RR against Human RIC8B were performed. The affinity constant is 1.42 nM.