

For Research Use Only

RUVBL2 Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87557-1-PBS



Basic Information

Catalog Number: 87557-1-PBS	GenBank Accession Number: BC000428	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 10856	CloneNo.: 252919G3
Source: Rabbit	UNIPROT ID: Q9Y230	
Isotype: IgG	Full Name: RuvB-Like 2 (E. coli)	
Immunogen Catalog Number: AG0253	Calculated MW: 51 kDa	
	Observed MW: 51 kDa	

Applications

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

Species Specificity:
human, mouse

Product Information

87557-1-PBS targets RUVBL2 as part of a matched antibody pair:

MP03092-1: 87557-1-PBS capture and 87557-2-PBS detection (validated in Cytometric bead array, Sandwich ELISA)

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

RUVBL2 belongs to the conserved ATPases associated with various cellular activities (AAA+) protein subfamily, which is characterized by the presence of conserved Walker A and B motifs that are involved in ATP binding and hydrolysis. The AAA+ (ATPases associated with diverse cellular activities) ATPases, RUVBL1 and RUVBL2, were originally isolated as components of transcriptional complexes and shown to function in a number of different cellular processes, including transcriptional regulation, chromatin remodelling and DNA damage responses. (PMID: 31572066, PMID: 31138842)

Storage

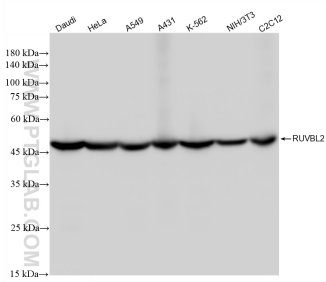
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

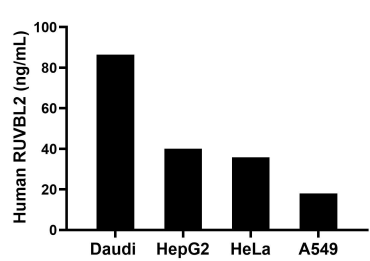
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

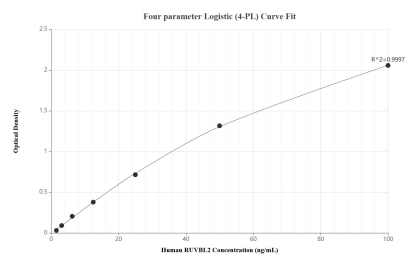
Selected Validation Data



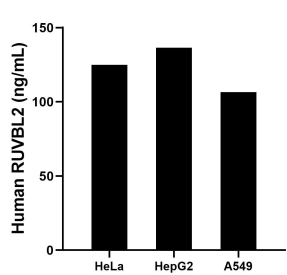
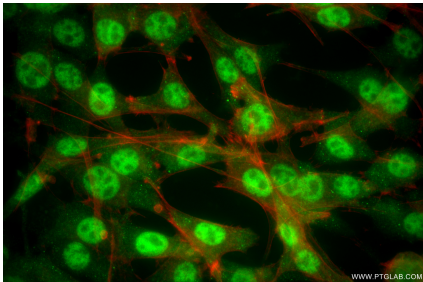
Various lysates were subjected to SDS PAGE followed by western blot with 87557-1-RR (RUVBL2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87557-1-PBS in a different storage buffer formulation.



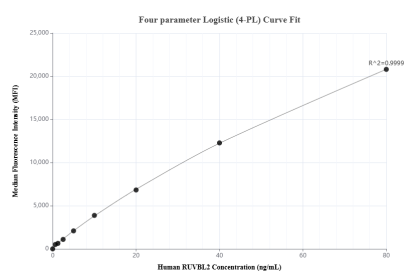
The mean RUVBL2 concentration was determined to be 86.50 ng/mL in Daudi cell extract based on a 1.20 mg/mL extract load, 40.10 ng/mL in HepG2 cell based on a 1.20 mg/mL extract load, 35.90 ng/mL in HeLa cell extract based on a 1.20 mg/mL extract load and 18.05 ng/mL in A549 cell extract based on a 1.10 mg/mL extract load.



Sandwich ELISA standard curve of MP03092-1, Human RUVBL2 Recombinant Matched Antibody Pair - PBS only. 87557-1-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag0253. 87557-2-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL.



The mean RUVBL2 concentration was determined to be 124.8 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 136.5 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load, 106.5 ng/mL in A549 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03092-1, RUVBL2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87557-1-PBS. Detection antibody: 87557-2-PBS. Standard: Ag0253. Range: 0.625-80 ng/mL.