For Research Use Only

EPB41L4B Recombinant antibody, PBS Only (Capture)

Catalog Number:84732-2-PBS

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
84732-2-PBS

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

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG36353

GenBank Accession Number:
NM_00138562

GeneID (NCBI):
54566

UNIPROT ID:
Q9H329

Full Name:
erythrocyte membrane protein band 4.1 like 4B

Calculated MW:
99kDa

Observed MW:
100 kDa

Purification Method:
Protein A purification

CloneNo.:
242186G4

Applications

Tested Applications:
WB, Cytometric bead array, Indirect ELISA

Species Specificity:
human, mouse

Product Information

84732-2-PBS targets EPB41L4B as part of a matched antibody pair:

MP01525-1: 84732-2-PBS capture and 84732-1-PBS detection (validated in Cytometric bead array)

MP01525-2: 84732-2-PBS capture and 84732-3-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

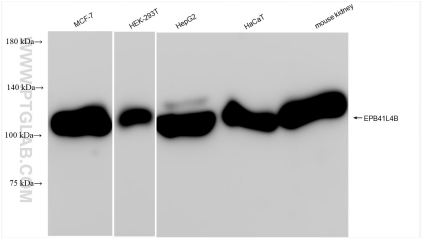
The 4.1 proteins, encoded by the EPB41 (erythrocyte protein band 4.1) genes, are components of the cortical cytoskeleton underlying the cell membrane. The family of 4.1 proteins consists of the eponymous 4.1R protein first identified in erythrocytes (gene: EPB41), 4.1N (EPB41L1), 4.1G (EPB41L2), 4.1B (EPB41L3) as well as the less closely related members NBL4 (EPB41L4A), EHM2 (EPB41L4B) and EPB41L5 (EPB41L5). EHM2 is conspicuous in tumor cells with high migratory potential, such as metastatic melanoma and fibrosarcoma cells. In prostate cancer, EHM2 has been reported to be overexpressed and to diminish adhesion of prostate cancer cells to collagen. (PMID: 20860828)

Storage

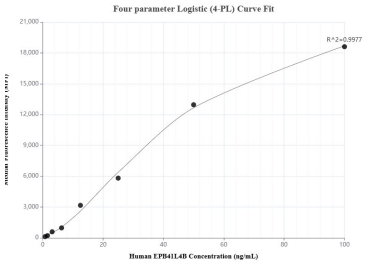
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

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

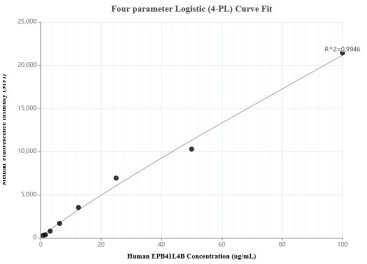
Selected Validation Data



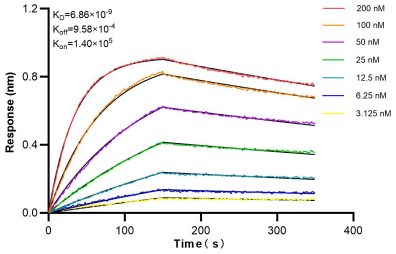
Various lysates were subjected to SDS PAGE followed by western blot with 84732-2-RR (EPB41L4B antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84732-2-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01525-2, EPB41L4B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84732-2-PBS. Detection antibody: 84732-3-PBS. Standard: Ag36353. Range: 0.781-100 ng/mL.



Cytometric bead array standard curve of MP01525-1, EPB41L4B Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84732-2-PBS. Detection antibody: 84732-1-PBS. Standard: Ag36353. Range: 0.781-100 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84732-2-RR against Human EPB41L4B were performed. The affinity constant is 6.86 nM.