

For Research Use Only

EHD2 Recombinant antibody, PBS Only

Catalog Number: 85604-4-PBS



Basic Information

Catalog Number: 85604-4-PBS	GenBank Accession Number: BC014445	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 30846	CloneNo.: 243038C6
Source: Rabbit	UNIPROT ID: Q9NZN4	
Isotype: IgG	Full Name: EH-domain containing 2	
Immunogen Catalog Number: AG2002	Calculated MW: 543 aa, 61 kDa	
	Observed MW: 61 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

EH domain-containing protein 2 (EHD2) is a member of the EHD protein family. It is primarily located in the plasma membrane but can also be found in the cytoplasm and endosomes. EHD2 is also a nuclear-cytoplasmic shuttle protein, acting as a corepressor of transcription to inhibit gene transcription when it enters the cell nucleus. EHD2 is a dynamin-related ATPase that plays a key role in regulating a series of biological processes. As a crucial regulator of endocytic transport, it is involved in the formation and maintenance of endosomal tubules and vesicles, which are vital for intracellular transport of proteins and other substances. EHD2 has been implicated in several human cancers and has potential as a predictive biomarker of chemotherapy efficacy.

Storage

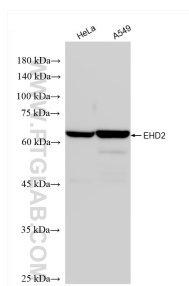
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

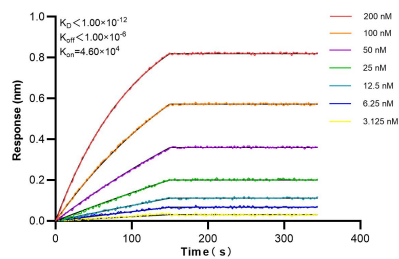
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 85604-4-RR (EHD2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 85604-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 85604-4-RR against Human EHD2 were performed. The affinity constant is below 1 pM.