

For Research Use Only

PEBP4 Recombinant antibody

Catalog Number: 83589-5-RR



Basic Information

Catalog Number: 83589-5-RR	GenBank Accession Number: BC020779	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 157310	CloneNo.: 240547D8
Source: Rabbit	UNIPROT ID: Q96596	Recommended Dilutions: IF/ICC 1:125-1:500
Isotype: IgG	Full Name: phosphatidylethanolamine-binding protein 4	
Immunogen Catalog Number: AG9710	Calculated MW: 223 aa, 25 kDa	

Applications

Tested Applications: IF/ICC, ELISA	Positive Controls: IF/ICC : A549 cells,
Species Specificity: human	

Background Information

PEBP4 (Phosphatidylethanolamine binding protein 4) is a multifunctional protein that belongs to a small family (PEBP1-4) in mammalian cells. PEBP4 is evolutionally divergent from the other three forms that share almost 80% identity and more than 90% similarity, suggesting that PEBP4 is functionally different from other forms. At cellular levels, it has been shown that the knockdown of PEBP4 in cancer cells suppresses cell proliferation, migration, and invasion, leading to their apoptosis. In contrast, overexpression of PEBP4 induces opposite changes and confers resistance to chemotherapy and radiotherapy (PMID: 35955931).

Storage

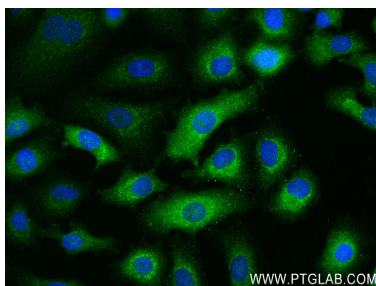
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

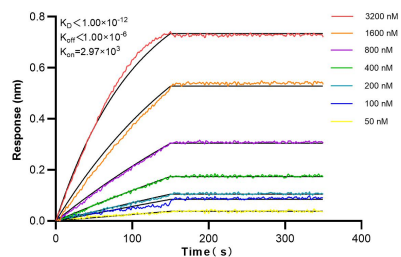
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed A549 cells using PEBP4 antibody (83589-5-RR, Clone: 240547D8) at dilution of 1:250 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Biolayer interferometry (BLI) kinetic assays of 83589-5-RR against Human PEBP4 were performed. The affinity constant is below 1 pM.