

For Research Use Only

PEBP4 Recombinant antibody

Catalog Number: 83589-5-RR



Basic Information

Catalog Number:

83589-5-RR

Size:

1000 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG9710

GenBank Accession Number:

BC020779

GeneID (NCBI):

157310

UNIPROT ID:

Q96596

Full Name:

phosphatidylethanolamine-binding protein 4

Calculated MW:

223 aa, 25 kDa

Purification Method:

Protein A purification

CloneNo.:

240547D8

Recommended Dilutions:

IF/ICC 1:125-1:500

Applications

Tested Applications:

IF/ICC, ELISA

Species Specificity:

human

Positive Controls:

IF/ICC : A549 cells,

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

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

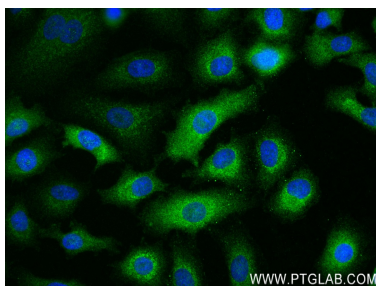
T: 4006900926

E: Proteintech-CN@ptglab.com

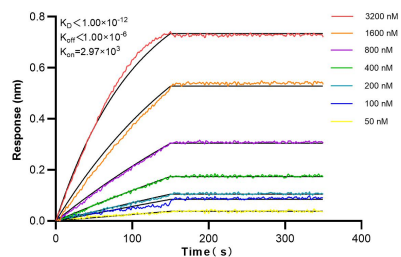
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Selected Validation Data



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.