

For Research Use Only

EEA1 Polyclonal antibody

Catalog Number: 28347-1-AP

Featured Product

8 Publications



Basic Information

Catalog Number:

28347-1-AP

Concentration:

650 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG28814

GenBank Accession Number:

NM_003566

GeneID (NCBI):

8411

UNIPROT ID:

Q15075

Full Name:

early endosome antigen 1

Calculated MW:

162 kDa

Observed MW:

170 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:2000-1:16000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, Mouse, Rat

Cited Species:

human, mouse, monkey

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, HepG2 cells, HeLa cells, Jurkat cells, NIH/3T3 cells, C6 cells

IHC : human breast cancer tissue, mouse brain tissue

IF/ICC : HepG2 cells,

Background Information

Early endosome antigen 1 (EEA1) is a marker of early endosomes and has an important role in endosomal trafficking. EEA1 contains coiled-coil regions and an FYVE-type zinc finger which interacts with phosphatidylinositol-3-phosphate. EEA1 functions as a Rab5 effector, mediates endosome docking and, together with SNAREs, leads to membrane fusion.

Notable Publications

Author	Pubmed ID	Journal	Application
Huawei Wang	34865123	Nucleic Acids Res	IF
Yafeng Dou	35603194	Front Immunol	IF
Yanqiu Zhang	35393432	Cell Death Dis	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

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

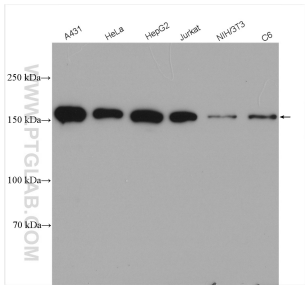
T: 4006900926

E: Proteintech-CN@ptglab.com

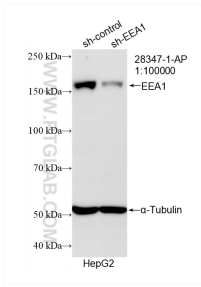
W: ptgcn.com

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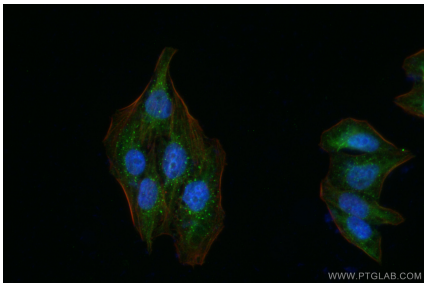
Selected Validation Data



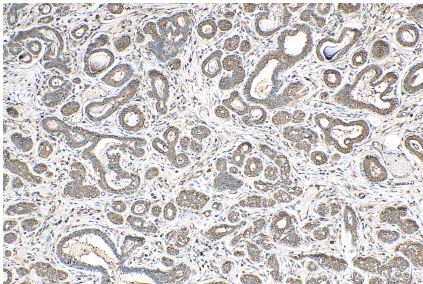
Various lysates were subjected to SDS PAGE followed by western blot with 28347-1-AP (EEA1 antibody) at dilution of 1:8000 incubated at room temperature for 1.5 hours.



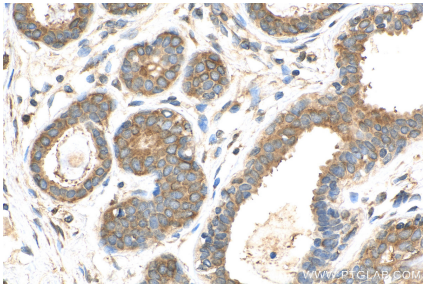
WB result of EEA1 antibody (28347-1-AP; 1:100000; incubated at room temperature for 1.5 hours) with sh-Control and sh-EEA1 transfected HepG2 cells.



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using EEA1 antibody (28347-1-AP) at dilution of 1:400 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 28347-1-AP (EEA1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 28347-1-AP (EEA1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).