

For Research Use Only

# EEA1 Polyclonal antibody

Catalog Number: 28347-1-AP **5 Publications**



## Basic Information

<b>Catalog Number:</b> 28347-1-AP	<b>GenBank Accession Number:</b> NM_003566	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 650 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 8411	<b>Recommended Dilutions:</b> WB 1:2000-1:16000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> early endosome antigen 1	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 162 kDa	
<b>Immunogen Catalog Number:</b> AG28814	<b>Observed MW:</b> 170 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> IF	<b>WB:</b> A431 cells, HeLa cells, HepG2 cells, Jurkat cells, NIH/3T3 cells, C6 cells
<b>Species Specificity:</b> Human, Mouse, Rat	<b>IHC:</b> human breast cancer tissue,
<b>Cited Species:</b> 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**

## 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

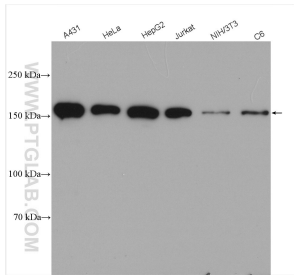
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

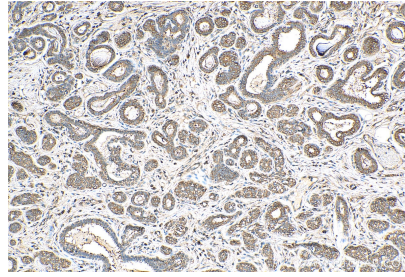
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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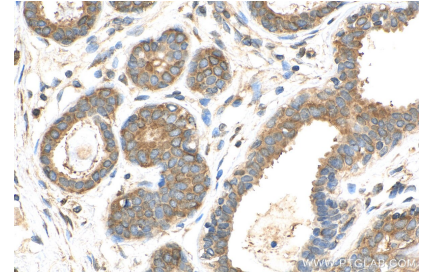
## Selected Validation Data



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.



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).