

Anti-EEA1 Picoband Antibody
Catalog # ABO10240**Specification**

Anti-EEA1 Picoband Antibody - Product Information

Application	WB
Primary Accession	Q15075
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for EEA1 detection. Tested with WB in Human;Mouse;Rat.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-EEA1 Picoband Antibody - Additional Information

Gene ID 8411

Other Names

Early endosome antigen 1, Endosome-associated protein p162, Zinc finger FYVE domain-containing protein 2, EEA1, ZFYVE2

Application Details

Western blot, 0.1-0.5 µg/ml

Subcellular Localization

Cytoplasm. Early endosome membrane; Peripheral membrane protein.

Contents

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg NaN₃.

Immunogen

A synthetic peptide corresponding to a sequence of human EEA1 (RENQSLQIKHTQALNRKWAEDNEVQN).

Cross Reactivity

No cross reactivity with other proteins.

Storage

At -20°C; for one year. After r°Constitution, at 4°C; for one month. It°Can also be aliquotted and stored frozen at -20°C; for a longer time. Avoid repeated freezing and thawing.

Anti-EEA1 Picoband Antibody - Protein Information

Name EEA1

Synonyms ZFYVE2

Function

Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in endosomal trafficking.

Cellular Location

Cytoplasm. Early endosome membrane; Peripheral membrane protein

Anti-EEA1 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-EEA1 Picoband Antibody - Images

Anti-EEA1 Picoband Antibody - Background

The gene EEA1 encodes for the 1400 amino acid protein, Early Endosome Antigen 1. It localizes exclusively to early endosomes and has an important role in endosomal trafficking. EEA1 binds directly to the phospholipid phosphatidylinositol 3-phosphate through its C-terminal FYVE domain and forms a homodimer through a coiled coil. Furthermore, EEA1 acts as a tethering molecule that couples vesicle docking with SNAREs such as N-ethylmaleimide sensitive fusion protein, bringing the endosomes physically closer and ultimately resulting in the fusion and delivery of endosomal cargo.