

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

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**Anti-EEA1 Picoband Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q15075</a>
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<br>

**Subcellular Localization**

Cytoplasm. Early endosome membrane; Peripheral membrane protein.

**Contents**

Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05mg NaN<sub>3</sub>.

**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.