SunLong Biotech Co.,LTD
Tel: 0086-571-56623320 Fax:0086-571-56623318
E-mail:sales@sunlongbiotech.com
www.sunlongbiotech.com

[Marker Primary Antibody]

Rabbit Anti-EEA1/HRP Conjugated antibody

Catalog Number: SL11250R-HRP

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-EEA1/HRP
Immunogen:	KLH conjugated synthetic peptide derived from human EEA1
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 ELISA=1:100-1000 IHC-P=1:50-200 IHC-F=1:50-200 ICC=1:50-200 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human(predicted:Mouse,Rat,Dog,Cow,Hamster)
Background:	background: Early endosomes are cytoplasmic compartments that function in receiving and sorting endocytosed proteins for vesicular transport. EEA1 (early endosome antigen 1) is a peripheral membrane protein that co-localizes with the transferrin receptor and Rab5 on early endosomes. EEA1 contains a calmodulin-binding IQ motif and cysteine rich finger motif necessary for its specific localization to the early endosomes. EEA1 has sequence homology to several yeast proteins that have been implicated in membrane trafficking, including Vps27, Fab1 and Vac1. Evidence suggests a possible role for EEA1 in mediating the regulatory effects of 3'-phosphoinositides on membrane trafficking. **Function:** Binds phospholipid vesicles containing phosphatidylinositol 3-phosphate and participates in endosomal trafficking. **Subunit:** Homodimer. Binds STX6. Binds RAB5A, RAB5B, RAB5C and RAB22A that have been activated by GTP-binding. Interacts with ERBB2.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Subcellular Location: Cytoplasm. Early endosome membrane. **Similarity:** Contains 1 C2H2-type zinc finger. Contains 1 FYVE-type zinc finger. **Database links:** **Entrez Gene:** 8411 Human **Entrez Gene:** 216238 Mouse **Entrez Gene:** 314764 Rat Omim: 605070 Human **SwissProt:** Q15075 Human **SwissProt:** Q8BL66 Mouse **Unigene:** 567367 Human **Unigene:** 210035 Mouse **Unigene:** 23513 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.