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Anti-EEA1 Rabbit mAb [46A85]

Catalog No.: A52105

Basic Information

Catalog No. (Cat.No.)	A52105
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,ELISA
Synonyms	Early endosome antigen 1,EEA1

Product Information

Target	EEA1
Molecular Weight(Calculated)	162 kDa
Molecular Weight(Observed)	162 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	46A85
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:100-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Early endosome antigen-1
Gene Name	*EEA1*
Domain	NA
Background	EEA1 (Early Endosome Antigen 1) is a landmark scaffold protein for intracellular vesicle trafficking, encoded by the EEA1 gene with a molecular weight of approximately 162 kDa, and serves as a specific biomarker of early endosomes. Ubiquitously expressed in eukaryotic cells and localized on early endosome membranes, EEA1 binds to Rab5 and phosphatidylinositol to mediate early endosome formation, fusion and substance sorting, regulating endocytic trafficking, receptor recycling, intracellular signal transduction and vesicle homeostasis. As a core component of the cellular endocytic and vesicle transport system, abnormal EEA1 expression disrupts intracellular material transport and signal transduction, impairs cell proliferation, metabolism and stress responses, and is closely correlated with tumor invasion, inflammatory injury and organelle dysfunction.