OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA389120

EEA1 Mouse Antibody [Clone ID: M347]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M347
Applications:	ICC, WB
Recommended Dilution:	**WB**: 1:1000 **ICC**: 1:50
Reactivity:	Human, Rat, Mouse
Host:	Mouse
Isotype:	IgG1
Immunogen:	Clone M347 was generated from a recombinant protein corresponding to amino acid residues in the N-terminal region of human EEA1. This sequence has high homology to similar regions in rat and mouse EEA1.
Specificity:	This antibody detects a 180 kDa* protein corresponding to the apparent molecular mass of EEA1 on SDS-PAGE immunoblots of adult mouse brain. In immunocytochemistry, anti-EEA1 specifically stains endosomal vesicles.
Formulation:	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Concentration:	lot specific
Purification:	Protein A Purified
Conjugation:	Unconjugated
Storage:	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
Stability:	After date of receipt, stable for at least 1 year at -20°C.
Predicted Protein Size:	180
Database Link:	Q15075

View online »

Background: Early endosomes are cellular compartments that receive endocytosed materials and sort them for vesicular transport to late endosomes and lysosomes, as well as for recycling material to the plasma membrane. Early endosome antigen 1 (EEA1) is an early endosomal protein that contains an N-terminal zinc finger motif, a cys-rich C-terminal metal-binding finger, and multiple sites for N-glycosylation, phosphorylation, and N-myristoylation. Expression of EEA1 mRNA is observed in skeletal muscle, heart, brain, lung, liver, and pancreas. Immunoblot analysis shows that EEA1 is a 180-kDa protein localized in membrane and cytosolic fractions. Immunofluorescence microscopy shows that EEA1 colocalizes with transferrin and with RAB5 in early endosomes, but not with RAB7 in late endosomes.

Note: Protein G purified tissue culture supernatant.