

Product Datasheet

EEA1 Antibody

Catalog No: CY5563

Reactivity: Human Mouse Rat

Isotype: Rabbit IgG

Applications: WB ICC



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Information

UniProt ID: Q15075

All Names: Early endosome antigen 1; EEA1; MST105; ZFYVE2;

Form: Liquid

Storage instructions: Store at +4° C short term. Store at -20° C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 170 kDa

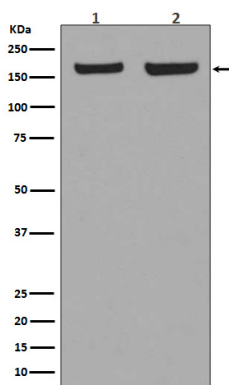
Application

WB: 1:500~1:2000

ICC: 1:50~1:200

Background

EEA1 is an early endosomal marker and a Rab5 effector protein essential for early endosomal membrane fusion and trafficking. The carboxy terminus of EEA1 contains a FYVE domain which binds to phosphatidylinositol-3-phosphate (PtdIns(3)P), targeting EEA1 to early endosomes. The stable association of EEA1 with the endosomal membrane is regulated by PI3 kinase, Rab5 and calcium/calmodulin. Once on the membrane, EEA1 interacts with Rab5, NSF and syntaxin 13 to promote early endosomal membrane docking and fusion.



Western blot analysis of EEA1 expression in (1) HeLa cell lysate; (2) NIH/3T3 cell lysate.

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