

Product Name: KD-Validated Epsin 2 Mouse Monoclonal Antibody**Catalog #: KVA01170**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Mouse
Application	WB,FCM,ICC
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Mouse IgG1
Clonality	Mouse mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500; FC 1:100-1:1,000; ICC 1:100-1:1,000
Molecular Weight	Calculated MW: 68.5kDa

Antigen Information

Gene Name	EPN2
Alternative Names	EPN2; Epsin 2; KIAA1065; EHB21; EPS-15-Interacting Protein 2; Eps15 Binding Protein; Epsin-2
Gene ID	22905.0
SwissProt ID	O95208
Immunogen	Recombinant protein of human EPN2

Background

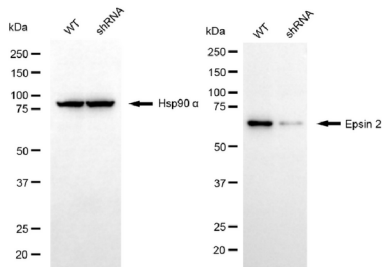
This gene encodes a protein which interacts with clathrin and adaptor-related protein complex 2, alpha 1 subunit. The protein is found in a brain-derived clathrin-coated vesicle fraction and localizes to the peri-Golgi region and the cell periphery. The protein is thought to be involved in clathrin-mediated endocytosis. Alternate splicing of this gene results in multiple transcript

variants encoding different isoforms. [provided by RefSeq, Jul 2008]

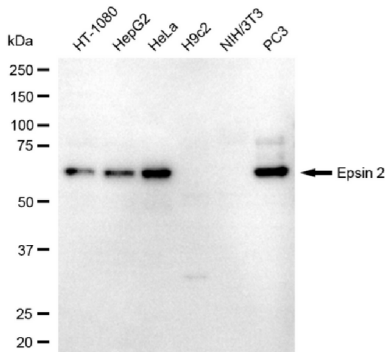
Research Area

Signal Transduction

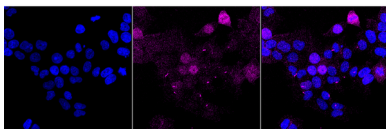
Image Data



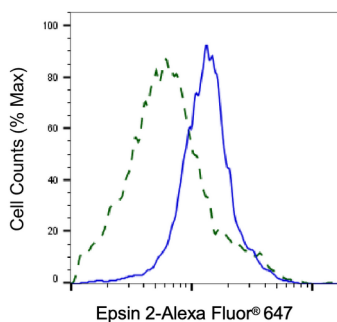
Western blotting analysis using epsin 2 antibody (KVA01170). Epsin 2 expression in wild type (WT) and epsin 2 (EPN2) shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with epsin 2 antibody (KVA01170, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



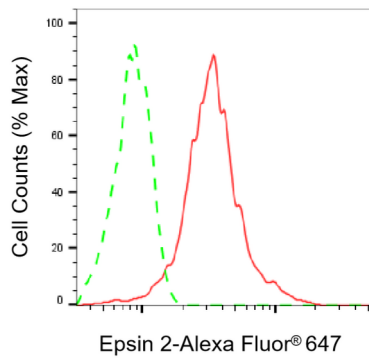
Western blotting analysis using epsin 2 antibody (KVA01170). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with epsin 2 antibody (KVA01170, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (APS0631, 1:10,000) respectively.



Immunocytochemical staining of HeLa cells with Epsin 2 antibody (KVA01170, 1:1,000). Nuclei were stained blue with DAPI; Epsin 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: Low. Scale bar, 20 µm.



Validation of Epsin 2 knockdown using flow cytometry. Wild-type(WT, Blue) and knockdown(KD, Green) HeLa cells were stained with Epsin 2 antibody (KVA01170, 1:2,000) and analyzed using BD flow cytometer.



Flow cytometric analysis of Epsin 2 expression in HeLa cells using Epsin 2 antibody (KVA01170, 1:1,000). Green, isotype control; red, Epsin 2.