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DNAJC13 Antibody
Catalog # ASC11897

Specification

DNAJC13 Antibody - Product Information

Application	**WB, IHC**
Primary Accession	O75165
Other Accession	NP_056083, 112421122
Reactivity	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**Predicted: 249 kDa** **Observed: 249 kDa KDa**
Application Notes	**DNAJC13 antibody can be used for detection of DNAJC13 by Western blot at 1 - 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 5 µg/mL.**

DNAJC13 Antibody - Additional Information

Gene ID **23317**

Target/Specificity
DNAJC13; DNAJC13 antibody is human and mouse reactive. At least two siforms of DNAJC13 are known to exist; this antibody will detect both isoforms. DNAJC13 antibody is predicted to not cross-react with other DNAJC family members.

Reconstitution & Storage
DNAJC13 antibody can be stored at 4℃ for three months and -20℃, stable for up to one year.

Precautions
DNAJC13 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

DNAJC13 Antibody - Protein Information

Name DNAJC13

Synonyms KIAA0678, RME8

Function
Involved in membrane trafficking through early endosomes, such as the early endosome to recycling endosome transport implicated in the recycling of transferrin and the early endosome to late endosome transport implicated in degradation of EGF and EGFR (PubMed:18256511, PubMed:18307993). Involved in the regulation of endosomal membrane tubulation and regulates the dynamics of SNX1 on the endosomal membrane; via association with WASHC2 may link the WASH complex to the retromer

SNX-BAR subcomplex (PubMed:24643499).

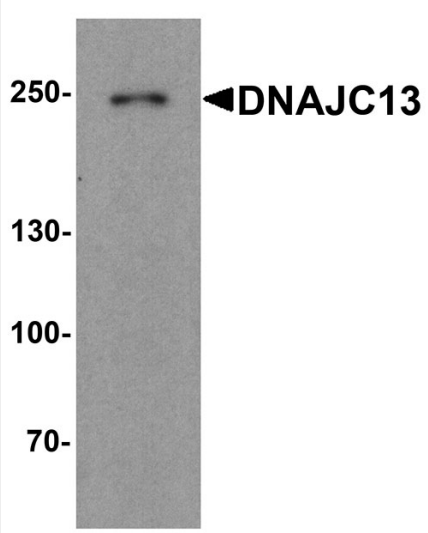
Cellular Location
Early endosome. Early endosome membrane; Peripheral membrane protein. Endosome membrane

DNAJC13 Antibody - Protocols

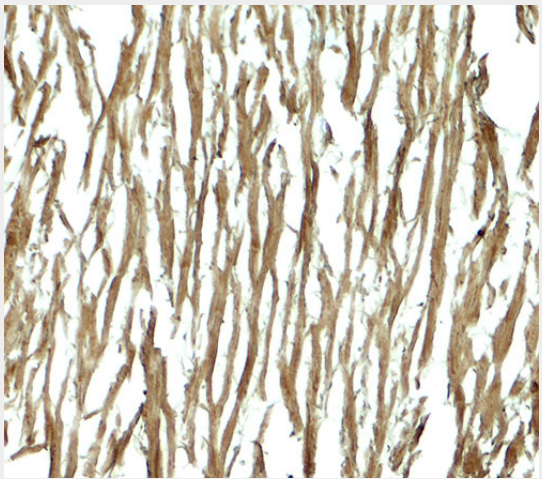
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DNAJC13 Antibody - Images



Western blot analysis of DNAJC13 in human heart tissue lysate with DNAJC13 antibody at 1 µg/ml.



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Immunohistochemistry of DNAJC13 in human heart tissue with DNAJC13 antibody at 5 µg/mL.

DNAJC13 Antibody - Background

DNAJC13, also known as receptor-mediated endocytosis 8 (RME8), is the human homolog to a DnaJ domain-containing protein originally identified in a screen for endocytic defects in C. elegans (1). It is thought to be a co-chaperone of Hsc70 which regulates protein conformation at membrane sites and plays a role in intracellular trafficking, co-localizing with markers of the endosomal system. Recent experiments have indicated that the DNAJC13 protein is involved in membrane trafficking through early endosomes but not through degradative organelles (2). DNAJC13 has been also been shown to regulate the intracellular trafficking of the epidermal growth factor receptor (3).

DNAJC13 Antibody - References

Girard M, Poupon V, Blondeau F, et al. The DnaJ-domain protein RME-8 functions in endosomal trafficking. J. Biol. Chem. 2005; 280:40135-43.
Fujibayashi A, Taguchi T, Misaki R, et al. Human RME-8 is involved in membrane trafficking through early endosomes. Cell Struct. Funct. 2008; 33:35-50.
Girard M and McPherson PS. RME-8 regulates trafficking of the epidermal growth factor receptor. FEBS Lett. 2008; 582:961-6.