Endobrevin monoclonal antibody

Catalog: MB67193 Host: Mouse Reactivity: Human

BackGround:

Proteins in the soluble N-ethylmaleimide-sensitive factor attachment protein receptor (SNARE) complex are integral membrane proteins involved in vesicle transport and membrane fusion by pairing of vesicular SNAREs (v-SNAREs) with cognate target SNAREs (t-SNAREs) . Vesicle associated membrane protein 8 (VAMP8), also known as endobrevin, is a v-SNARE originally found preferentially localized to early endosomes. VAMP8 knockout mice did not show abnormal endosomal vesicular trafficking, perhaps having a redundant role with other VAMP family members. Instead, research studies have shown that VAMP8 is widely expressed in exocrine tissues and has a critical role in the exocytosis pathways of a variety of cells. In addition, lysosome localized VAMP8 has been shown to play a role in autophagosome/lysosome fusion during antimicrobial (xenophagy) and canonical starvation induced autophagy.

Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~ 14 kDa

Swiss-Prot:

Q9BV40

Purification&Purity:

This antibody is purified through a protein G column.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

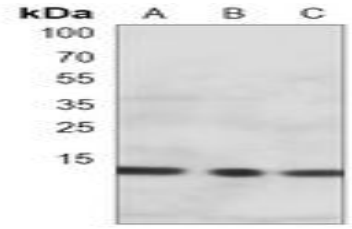
Storage&Stability:

Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

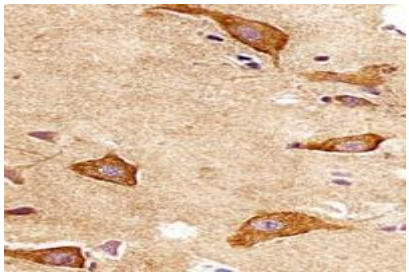
Specificity:

Recognizes endogenous levels of Endobrevin protein.

DATA:



Western blot analysis of Endobrevin expression in Hela (A), THP1 (B), A431 (C) whole cell lysates.



Immunohistochemical analysis of Endobrevin staining in human brain formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Note:

For research use only, not for use in diagnostic procedure.

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