

FGD2 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP13191b**Specification**

FGD2 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q7Z6J4](#)**FGD2 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 221472**Other Names**

FYVE, RhoGEF and PH domain-containing protein 2, Zinc finger FYVE domain-containing protein 4, FGD2, ZFYVE4

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13191b was selected from the C-term region of FGD2. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FGD2 Antibody (C-term) Blocking Peptide - Protein Information**Name** FGD2**Synonyms** ZFYVE4**Function**

Activates CDC42, a member of the Ras-like family of Rho- and Rac proteins, by exchanging bound GDP for free GTP. Activates JNK1 via CDC42 but not RAC1. Binds to phosphatidylinositol 4,5-bisphosphate, phosphatidylinositol 3,4,5-trisphosphate, phosphatidylinositol 5-monophosphate, phosphatidylinositol 4-monophosphate and phosphatidylinositol 3-monophosphate (By similarity).

Cellular Location

Cytoplasm, cytoskeleton. Cytoplasm. Nucleus. Early endosome Early endosome membrane. Cell projection, ruffle membrane. Note=Recruitment to the endosome and ruffle membrane requires the presence of phosphoinositides.

FGD2 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

FGD2 Antibody (C-term) Blocking Peptide - Images

FGD2 Antibody (C-term) Blocking Peptide - Background

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FGD2 Antibody (C-term) Blocking Peptide - References

Huber, C., et al. J. Biol. Chem. 283(49):34002-34012(2008)Delague, V., et al. Am. J. Hum. Genet. 81(1):1-16(2007)Mungall, A.J., et al. Nature 425(6960):805-811(2003)Rabizadeh, S., et al. Cytokine Growth Factor Rev. 14 (3-4), 225-239 (2003) :Salehi, A.H., et al. J. Biol. Chem. 277(50):48043-48050(2002)