

GDPD2 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP18406c**Specification**

GDPD2 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9HCC8](#)**GDPD2 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 54857**Other Names**

Glycerophosphoinositol inositolphosphodiesterase GDPD2, Glycerophosphodiester phosphodiesterase 3, Glycerophosphodiester phosphodiesterase domain-containing protein 2, Osteoblast differentiation promoting factor, GDPD2, GDE3, OBDPF

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.

GDPD2 Antibody (Center) Blocking Peptide - Protein Information**Name** GDPD2**Synonyms** GDE3, OBDPF**Function**

Has glycerophosphoinositol inositolphosphodiesterase activity and specifically hydrolyzes glycerophosphoinositol, with no activity for other substrates such as glycerophosphoinositol 4-phosphate, glycerophosphocholine, glycerophosphoethanolamine, and glycerophosphoserine. Accelerates the program of osteoblast differentiation and growth. May play a role in remodeling of the actin cytoskeleton (By similarity).

Cellular Location

Cell membrane; Multi-pass membrane protein. Cytoplasm. Cytoplasm, cytoskeleton. Note=Colocalizes with the actin cytoskeleton.

GDPD2 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GDPD2 Antibody (Center) Blocking Peptide - Images

GDPD2 Antibody (Center) Blocking Peptide - Background

This gene encodes a member of the glycerophosphodiesterphosphodiesterase enzyme family. The encoded protein hydrolyzes glycerophosphoinositol to produce inositol 1-phosphate and glycerol. This protein may have a role in osteoblast differentiation and growth. Alternate splicing results in multiple transcript variants.

GDPD2 Antibody (Center) Blocking Peptide - References

Corda, D., et al. J. Biol. Chem. 284(37):24848-24856(2009) Yanaka, N., et al. J. Biol. Chem. 278(44):43595-43602(2003)