

ZDHHC21 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP5172a**Specification**

ZDHHC21 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8IVQ6](#)**ZDHHC21 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 340481**Other Names**

Palmitoyltransferase ZDHHC21, Zinc finger DHHC domain-containing protein 21, DHHC-21, ZDHHC21

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.

ZDHHC21 Antibody (N-term) Blocking Peptide - Protein Information**Name** ZDHHC21 ([HGNC:20750](#))**Function**

Palmitoyltransferase that catalyzes the addition of palmitate onto various protein substrates (PubMed:22031296). Palmitoylates sex steroid hormone receptors, including ESR1, PGR and AR, thereby regulating their targeting to the plasma membrane (PubMed:22031296). This affects rapid intracellular signaling by sex hormones via ERK and AKT kinases and the generation of cAMP, but does not affect that mediated by their nuclear receptor (PubMed:22031296). Palmitoylates FYN, regulates its localization in hair follicles and plays a key role in epidermal homeostasis and hair follicle differentiation. Through the palmitoylation of PLCB1 and the regulation of PLCB1 downstream signaling may indirectly regulate the function of the endothelial barrier and the adhesion of leukocytes to the endothelium. Has also a palmitoyltransferase activity toward ADRA1D, positively regulating its activity and expression and may thereby play a role in vascular contraction. May also palmitoylate eNOS and LCK (By similarity).

Cellular Location

Golgi apparatus membrane; Multi-pass membrane protein. Golgi apparatus, cis-Golgi network

membrane {ECO:0000250|UniProtKB:Q9D270}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

Widely expressed..

ZDHHC21 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ZDHHC21 Antibody (N-term) Blocking Peptide - Images**ZDHHC21 Antibody (N-term) Blocking Peptide - Background**

The function of this protein has not been specifically defined.

ZDHHC21 Antibody (N-term) Blocking Peptide - References

Mill, P., et al. PLoS Genet. 5 (11), E1000748 (2009) Le Clerc, S., et al. J. Infect. Dis. 200(8):1194-1201(2009)Humphray, S.J., et al. Nature 429(6990):369-374(2004)