

GPR133 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP9499c**Specification**

GPR133 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q6QNK2](#)**GPR133 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 283383**Other Names**

Probable G-protein coupled receptor 133, G-protein coupled receptor PGR25, GPR133, PGR25

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.

GPR133 Antibody (Center) Blocking Peptide - Protein Information**Name** ADGRD1 {ECO:0000303|PubMed:25713288, ECO:0000312|HGNC:HGNC:19893}**Function**

Adhesion G-protein coupled receptor (aGPCR) for androgen hormone 5alpha-dihydrotestosterone (5alpha-DHT), also named 17beta-hydroxy-5alpha-androstan-3-one, the most potent hormone among androgens (PubMed:39884271). Also activated by methenolone drug (PubMed:39884271). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed:39884271). ADGRD1 is coupled to G(s) G proteins and mediates activation of adenylate cyclase activity (PubMed:22025619, PubMed:22575658, PubMed:35447113, PubMed:39884271). Acts as a 5alpha-DHT receptor in muscle cells, thereby increasing intracellular cyclic AMP (cAMP) levels and enhancing muscle strength (PubMed:39884271).

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Up-regulated in CD133(+) cell population of glioblastoma.

GPR133 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

GPR133 Antibody (Center) Blocking Peptide - Images

GPR133 Antibody (Center) Blocking Peptide - Background

GPR133 is an orphan receptor.

GPR133 Antibody (Center) Blocking Peptide - References

Tonjes, A., et al. Hum. Mol. Genet. 18(23):4662-4668(2009)Marroni, F., et al. Circ Cardiovasc Genet 2(4):322-328(2009)Otowa, T., et al. J. Hum. Genet. 54(2):122-126(2009)