

BEST3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP19190a**Specification**

BEST3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8N1M1](#)**BEST3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 144453**Other Names**

Bestrophin-3, Vitelliform macular dystrophy 2-like protein 3, BEST3, VMD2L3

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.

BEST3 Antibody (N-term) Blocking Peptide - Protein Information**Name** BEST3 ([HGNC:17105](#))**Function**Ligand-gated anion channel that allows the movement of chloride monoatomic anions across cell membranes when activated by calcium (Ca²⁺).**Cellular Location**

Cell membrane; Multi-pass membrane protein.

Tissue Location

Present in skeletal muscle and weakly in brain, spinal cord, bone marrow and retina.

BEST3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

BEST3 Antibody (N-term) Blocking Peptide - Images

BEST3 Antibody (N-term) Blocking Peptide - Background

BEST3 belongs to the bestrophin family of anion channels, which includes BEST1 (MIM 607854), the gene mutant in vitelliform macular dystrophy (VMD; MIM 153700), and 2 other BEST1-like genes, BEST2 (MIM 607335) and BEST4 (MIM 607336). Bestrophins are transmembrane (TM) proteins that share a homology region containing a high content of aromatic residues, including an invariant arg-phe-pro (RFP) motif. The bestrophin genes share a conserved gene structure, with almost identical sizes of the 8 RFP-TM domain-encoding exons and highly conserved exon-intron boundaries. Each of the 4 bestrophin genes has a unique 3-prime end of variable length (Stohr et al., 2002 [PubMed 12032738]; Tsunenari et al., 2003 [PubMed 12907679]).

BEST3 Antibody (N-term) Blocking Peptide - References

Marsey, L.L., et al. J. Physiol. (Lond.) 587 (PT 10), 2211-2224 (2009) ; Qu, Z.Q., et al. J. Biol. Chem. 282(24):17460-17467(2007) Tsunenari, T., et al. J. Biol. Chem. 278(42):41114-41125(2003) Stohr, H., et al. Eur. J. Hum. Genet. 10(4):281-284(2002) Marquardt, A., et al. Hum. Mol. Genet. 7(9):1517-1525(1998)