

ORAI3 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9301a**Specification**

ORAI3 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q9BRQ5](#)**ORAI3 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 93129**Other Names**

Protein orai-3, Transmembrane protein 142C, ORAI3, TMEM142C

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP9301a](/products/AP9301a) was selected from the N-term region of human ORAI3. 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.

ORAI3 Antibody (N-term) Blocking Peptide - Protein Information**Name** ORAI3**Synonyms** TMEM142C**Function**

Ca(2+) release-activated Ca(2+)-like (CRAC-like) channel subunit which mediates Ca(2+) influx and increase in Ca(2+)-selective current by synergy with the Ca(2+) sensor, STIM1.

Cellular Location

Cell membrane; Multi-pass membrane protein

Tissue Location

Expressed in both naive and effector T helper cells with higher levels in effector cells.

ORAI3 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

ORAI3 Antibody (N-term) Blocking Peptide - Images**ORAI3 Antibody (N-term) Blocking Peptide - Background**

ORAI3 key regulator or component of store-operated Ca^{2+} channel and transcription factor NFAT nuclear import.

ORAI3 Antibody (N-term) Blocking Peptide - References

Lee, K.P., et.al., Proc. Natl. Acad. Sci. U.S.A. 106 (34), 14687-14692 (2009) Frischauf, I., et.al., J. Biol. Chem. 284 (32), 21696-21706 (2009) Schindl, R., et.al., J. Biol. Chem. 283 (29), 20261-20267 (2008)