

TMEM66 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP10746a**Specification**

TMEM66 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [Q96BY9](#)**TMEM66 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 51669**Other Names**

Store-operated calcium entry-associated regulatory factor, SARAF, SOCE-associated regulatory factor, HBV X-transactivated gene 3 protein, HBV XAg-transactivated protein 3, Protein FOAP-7, Transmembrane protein 66, SARAF, TMEM66, XTP3

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.

TMEM66 Antibody (N-term) Blocking peptide - Protein Information**Name** SARAF**Synonyms** TMEM66, XTP3**Function**

Negative regulator of store-operated Ca(2+) entry (SOCE) involved in protecting cells from Ca(2+) overfilling. In response to cytosolic Ca(2+) elevation after endoplasmic reticulum Ca(2+) refilling, promotes a slow inactivation of STIM (STIM1 or STIM2)- dependent SOCE activity: possibly act by facilitating the deoligomerization of STIM to efficiently turn off ORAI when the endoplasmic reticulum lumen is filled with the appropriate Ca(2+) levels, and thus preventing the overload of the cell with excessive Ca(2+) ions.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type I membrane protein. Note=Translocates to the endoplasmic reticulum-plasma membrane (ER-PM) region in a STIM1-dependent manner following cytosolic Ca(2+) elevation

Tissue Location

Highly expressed in macrophages. {ECO:0000269|Ref.2}

TMEM66 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

TMEM66 Antibody (N-term) Blocking peptide - Images**TMEM66 Antibody (N-term) Blocking peptide - Background**

TMEM66 is a multi-pass membrane protein which belongs to the TMEM66 family. The exact function of TMEM66 remains unknown.

TMEM66 Antibody (N-term) Blocking peptide - References

Rose, J. Phd, et al. Mol. Med. (2010) In press :Zhang, Z., et al. Protein Sci. 13(10):2819-2824(2004)Clark, H.F., et al. Genome Res. 13(10):2265-2270(2003)