

TMEM53 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP13117a**Specification**

TMEM53 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q6P2H8](#)**TMEM53 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 79639**Other Names**

Transmembrane protein 53, TMEM53

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13117a was selected from the N-term region of TMEM53. 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.

TMEM53 Antibody (N-term) Blocking Peptide - Protein Information**Name** TMEM53**Synonyms** NET4**Function**

Ensures normal bone formation, through the negative regulation of bone morphogenetic protein (BMP) signaling in osteoblast lineage cells by blocking cytoplasm-nucleus translocation of phosphorylated SMAD1/5/9 proteins.

Cellular Location

Nucleus outer membrane; Single-pass membrane protein

Tissue Location

[Isoform 1]: Widely expressed.

TMEM53 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TMEM53 Antibody (N-term) Blocking Peptide - Images

TMEM53 Antibody (N-term) Blocking Peptide - Background

The specific function of this protein remains unknown.

TMEM53 Antibody (N-term) Blocking Peptide - References

Lamesch, P., et al. Genomics 89(3):307-315(2007) Schirmer, E.C., et al. Science 301(5638):1380-1382(2003)