

TMPRSS3 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP6936c**Specification**

TMPRSS3 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [P57727](#)**TMPRSS3 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 64699**Other Names**

Transmembrane protease serine 3, 3421-, Serine protease TADG-12, Tumor-associated differentially-expressed gene 12 protein, TMPRSS3, ECHOS1, TADG12

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP6936c](/products/AP6936c) was selected from the Center region of human TMPRSS3. 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.

TMPRSS3 Antibody (Center) Blocking Peptide - Protein Information**Name** TMPRSS3**Synonyms** ECHOS1, TADG12**Function**

Probable serine protease that plays a role in hearing. Acts as a permissive factor for cochlear hair cell survival and activation at the onset of hearing and is required for saccular hair cell survival (By similarity). Activates ENaC (in vitro).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location

Expressed in many tissues including fetal cochlea. Isoform T is found at increased levels in some

carcinomas

TMPRSS3 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

TMPRSS3 Antibody (Center) Blocking Peptide - Images

TMPRSS3 Antibody (Center) Blocking Peptide - Background

TMPRSS3 belongs to the serine protease family. This protein contains a serine protease domain, a transmembrane domain, a LDL receptor-like domain, and a scavenger receptor cysteine-rich domain. Serine proteases are known to be involved in a variety of biological processes, whose malfunction often leads to human diseases and disorders.

TMPRSS3 Antibody (Center) Blocking Peptide - References

Elbracht,M., et.al., J. Med. Genet. 44 (6), E81 (2007)