

HTRA3 Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP13989c**Specification**

HTRA3 Antibody (Center) Blocking peptide - Product InformationPrimary Accession [P83110](#)**HTRA3 Antibody (Center) Blocking peptide - Additional Information****Gene ID** 94031**Other Names**

Serine protease HTRA3, 3421-, High-temperature requirement factor A3, Pregnancy-related serine protease, HTRA3, PRSP

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13989c was selected from the Center region of HTRA3. 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.

HTRA3 Antibody (Center) Blocking peptide - Protein Information**Name** HTRA3**Synonyms** PRSP**Function**

Serine protease that cleaves beta-casein/CSN2 as well as several extracellular matrix (ECM) proteoglycans such as decorin/DCN, biglycan/BGN and fibronectin/FN1. Inhibits signaling mediated by TGF- beta family proteins possibly indirectly by degradation of these ECM proteoglycans (By similarity). May act as a tumor suppressor. Negatively regulates, in vitro, trophoblast invasion during placental development and may be involved in the development of the placenta in vivo. May also have a role in ovarian development, granulosa cell differentiation and luteinization (PubMed: [21321049](http://www.uniprot.org/citations/21321049), PubMed: [22229724](http://www.uniprot.org/citations/22229724)).

Cellular Location

Secreted. Note=Secretion increased during decidualization of endometrial stromal cells

Tissue Location

Widely expressed, with highest levels in both adult and fetal heart, ovary, uterus placenta, and bladder. In the endometrium, expressed in epithelial glands and the stroma. Also present in leukocytes. Isoform 1 is predominant in heart and skeletal muscle, whereas isoform 2 is predominant in placenta and kidney

HTRA3 Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HTRA3 Antibody (Center) Blocking peptide - Images**HTRA3 Antibody (Center) Blocking peptide - Background**

HTRA3 is probable serine protease.

HTRA3 Antibody (Center) Blocking peptide - References

Zurawa-Janicka, D., et al. Expert Opin. Ther. Targets 14(7):665-679(2010)Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :Beleford, D., et al. J. Biol. Chem. 285(16):12011-12027(2010)Theoleyre, S., et al. Biochem. Biophys. Res. Commun. 394(3):453-458(2010)Beleford, D., et al. Clin. Cancer Res. 16(2):398-409(2010)