

HTRA2 Antibody (N-term) Blocking peptide
Synthetic peptide
Catalog # BP13705a**Specification**

HTRA2 Antibody (N-term) Blocking peptide - Product InformationPrimary Accession [O43464](#)**HTRA2 Antibody (N-term) Blocking peptide - Additional Information****Gene ID** 27429**Other Names**

Serine protease HTRA2, mitochondrial, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, HTRA2, OMI, PRSS25

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13705a was selected from the N-term region of HTRA2. 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.

HTRA2 Antibody (N-term) Blocking peptide - Protein Information**Name** HTRA2**Synonyms** OMI, PRSS25**Function**

Serine protease that shows proteolytic activity against a non-specific substrate beta-casein. Promotes or induces cell death either by direct binding to and inhibition of BIRC proteins (also called inhibitor of apoptosis proteins, IAPs), leading to an increase in caspase activity, or by a BIRC inhibition-independent, caspase-independent and serine protease activity-dependent mechanism. Cleaves THAP5 and promotes its degradation during apoptosis. Isoform 2 seems to be proteolytically inactive.

Cellular Location

Mitochondrion intermembrane space. Mitochondrion membrane; Single-pass membrane protein
Note=Predominantly present in the intermembrane space. Released into the cytosol following

apoptotic stimuli, such as UV treatment, and stimulation of mitochondria with caspase-8 truncated BID/tBID

Tissue Location

[Isoform 1]: Ubiquitously expressed.

HTRA2 Antibody (N-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

HTRA2 Antibody (N-term) Blocking peptide - Images**HTRA2 Antibody (N-term) Blocking peptide - Background**

This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. [provided by RefSeq].

HTRA2 Antibody (N-term) Blocking peptide - References

Zurawa-Janicka, D., et al. Expert Opin. Ther. Targets 14(7):665-679(2010) Kawamoto, Y., et al. Neuropathol. Appl. Neurobiol. 36(4):331-344(2010) Vande Walle, L., et al. Cell Res. 20(4):421-433(2010) Hartkamp, J., et al. Mol. Cell 37(2):159-171(2010) Kruger, R., et al. Neurobiol. Aging (2009) In press :