

HTRA2 / OMI Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS11460**Specification**

HTRA2 / OMI Antibody (C-Terminus) - Product Information

Application	IF, WB, IHC
Primary Accession	O43464
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	49kDa KDa

HTRA2 / OMI Antibody (C-Terminus) - Additional Information**Gene ID** 27429**Other Names**

Serine protease HTRA2, mitochondrial, 3.4.21.108, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, HTRA2, OMI, PRSS25

Target/Specificity

peptide corresponding to 15 amino acids near the C-terminus of human OMI

Reconstitution & Storage

Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles. Store undiluted.

Precautions

HTRA2 / OMI Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

HTRA2 / OMI Antibody (C-Terminus) - 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

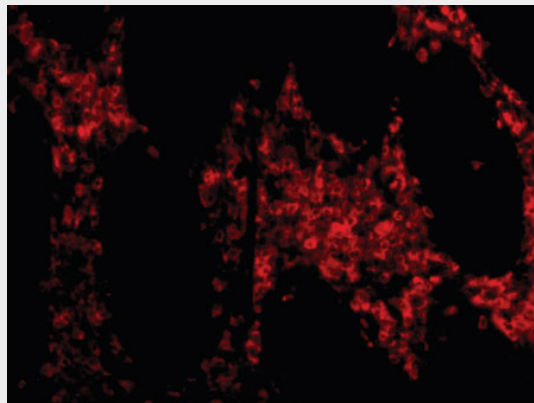
[Isoform 1]: Ubiquitously expressed.

HTRA2 / OMI Antibody (C-Terminus) - Protocols

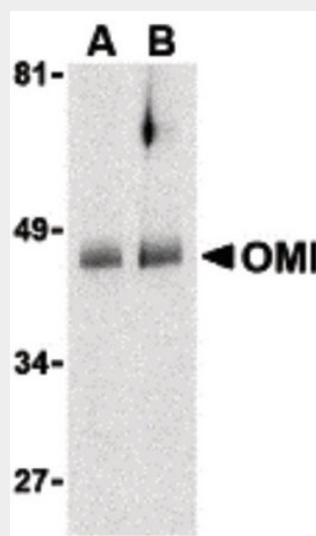
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

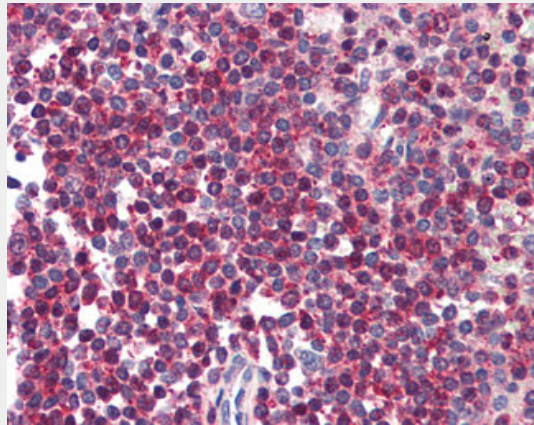
HTRA2 / OMI Antibody (C-Terminus) - Images



Immunofluorescence of OMI in human colon tissue with OMI antibody at 20 ug/ml.



Western blot of OMI in human colon cell lysates with OMI antibody at (A) 0.5 and (B) 1 ug/ml.



Anti-HTRA2 antibody IHC of human spleen.

HTRA2 / OMI Antibody (C-Terminus) - Background

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.

HTRA2 / OMI Antibody (C-Terminus) - References

Faccio L., et al. *J. Biol. Chem.* 275:2581-2588(2000).
Gray C.W., et al. *Eur. J. Biochem.* 267:5699-5710(2000).
Faccio L., et al. *Genomics* 68:343-347(2000).
Hillier L.W., et al. *Nature* 434:724-731(2005).
Suzuki Y., et al. *Mol. Cell* 8:613-621(2001).