

**HTRA1 antibody - N-terminal region**  
**Rabbit Polyclonal Antibody**  
**Catalog # AI14977****Specification**

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**HTRA1 antibody - N-terminal region - Product Information**

Application	WB
Primary Accession	<a href="#">O92743</a>
Other Accession	<a href="#">NM_002775</a> , <a href="#">NP_002766</a>
Reactivity	Human, Mouse, Rat, Pig, Bovine
Predicted	Human, Mouse, Rat, Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	53kDa KDa

**HTRA1 antibody - N-terminal region - Additional Information****Gene ID** 5654**Alias Symbol** ARMD7, HtrA, L56, ORF480, PRSS11**Other Names**

Serine protease HTRA1, 3.4.21.-, High-temperature requirement A serine peptidase 1, L56, Serine protease 11, HTRA1, HTRA, PRSS11

**Format**

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

**Reconstitution & Storage**

Add 50 ul of distilled water. Final anti-HTRA1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

**Precautions**

HTRA1 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

**HTRA1 antibody - N-terminal region - Protein Information****Name** HTRA1**Synonyms** HTRA, PRSS11**Function**

Serine protease with a variety of targets, including extracellular matrix proteins such as fibronectin. HTRA1-generated fibronectin fragments further induce synovial cells to up-regulate MMP1 and MMP3 production. May also degrade proteoglycans, such as aggrecan, decorin and fibromodulin. Through cleavage of proteoglycans, may release soluble FGF-glycosaminoglycan complexes that promote the range and intensity of FGF signals in the extracellular space. Regulates the availability of insulin-like growth factors (IGFs) by cleaving IGF- binding proteins.

Inhibits signaling mediated by TGF-beta family members. This activity requires the integrity of the catalytic site, although it is unclear whether TGF-beta proteins are themselves degraded. By acting on TGF-beta signaling, may regulate many physiological processes, including retinal angiogenesis and neuronal survival and maturation during development. Intracellularly, degrades TSC2, leading to the activation of TSC2 downstream targets.

#### Cellular Location

Cell membrane. Secreted Cytoplasm, cytosol. Note=Predominantly secreted (PubMed:15208355). Also found associated with the plasma membrane (PubMed:21297635).

#### Tissue Location

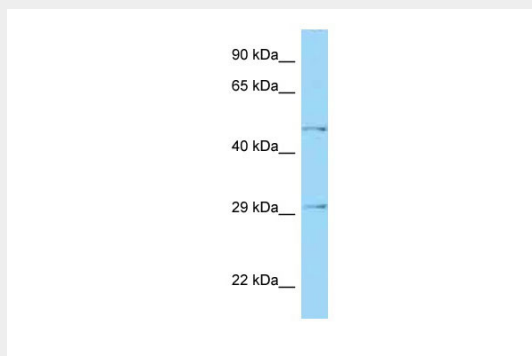
Widely expressed, with strongest expression in placenta (at protein level). Secreted by synovial fibroblasts. Up- regulated in osteoarthritis and rheumatoid arthritis synovial fluids and cartilage as compared with non-arthritic (at protein level)

### HTRA1 antibody - N-terminal region - 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](#)

### HTRA1 antibody - N-terminal region - Images



WB Suggested Anti-HTRA1 Antibody Titration: 1.0 µg/ml  
Positive Control: Fetal Kidney

### HTRA1 antibody - N-terminal region - References

- Zumbrunn J., et al. FEBS Lett. 398:187-192(1996).  
Crowl R.M., et al. Submitted (JUN-1999) to the EMBL/GenBank/DDBJ databases.  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Hu S.L., et al. J. Biol. Chem. 273:34406-34412(1998).  
De Luca A., et al. J. Histochem. Cytochem. 52:885-892(2004).