

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

HTRA1 antibody - N-terminal region - Product Information

Application	WB
Primary Accession	O92743
Other Accession	NM_002775 , NP_002766
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

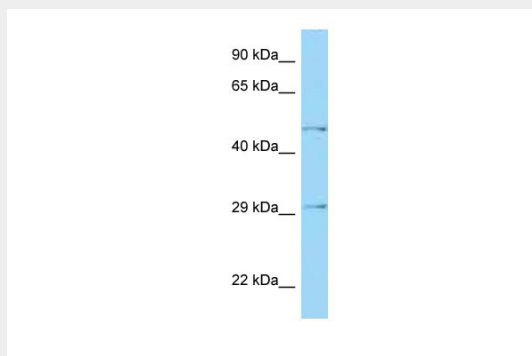
Widely expressed, with strongest expression in placenta (at protein level). Secreted by synovial fibroblasts. Up- regulated in osteoarthritis and rheumatoid arthritis synovial fluids and cartilage as compared with non-arthritic (at protein level)

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).