

**htrA1 Antibody**  
Rabbit mAb  
Catalog # AP93110

## Specification

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### htrA1 Antibody - Product Information

Application	<b>WB, ICC</b>
Primary Accession	<a href="#">O92743</a>
Clonality	<b>Monoclonal</b>
<b>Other Names</b>	
ARMD7; CARASIL; High-temperature requirement A serine peptidase 1; HtrA; HtrA serine peptidase 1; HTRA1; IGFBP5 protease; ORF480; Protease serine 11 (IGF binding); protease serine 11; PRSS11; Serine protease 11; Serine protease HTRA1;	
Isotype	<b>Rabbit IgG</b>
Host	<b>Rabbit</b>
Calculated MW	<b>51287 Da</b>

### htrA1 Antibody - Additional Information

Purification	<b>Affinity-chromatography</b>
Immunogen	<b>A synthesized peptide derived from human htrA1</b>
Description	<b>Protease that regulate the availability of nsulin-like growth factors (IGFs) by cleaving IGF-binding proteins. Represses signaling by TGF-beta family members.</b>
Storage Condition and Buffer	<b>Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.</b>

### htrA1 Antibody - 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

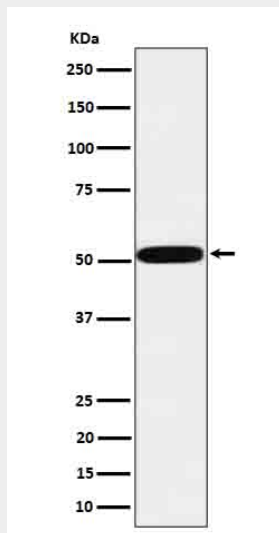
Widely expressed, with strongest expression in placenta (at protein level). Secreted by synovial fibroblasts. Up- regulated in osteoarthritis and rheumatoid arthritis synovial fluids and cartilage as compared with non-arthritic (at protein level)

### htrA1 Antibody - 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 - Images



Western blot analysis of htrA1 in MCF7 cell lysate.