

### HTRA1 Rabbit mAb

**Catalog # AP78839** 

### **Specification**

#### HTRA1 Rabbit mAb - Product Information

Application Primary Accession Reactivity Host Clonality WB
<u>O92743</u>
Human
Rabbit
Monoclonal Antibody

Calculated MW 51287

## HTRA1 Rabbit mAb - Additional Information

**Gene ID 5654** 

Other Names HTRA1

**Dilution** WB~~1/500-1/1000

Format Liquid

### **HTRA1** Rabbit mAb - Protein Information

Name HTRA1

Synonyms HTRA, PRSS11

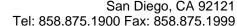
#### **Function**

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** Rabbit mAb - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- <u>Immunofluorescence</u>
- <u>Immunoprecipitation</u>
- Flow Cytomety
- Cell Culture

# HTRA1 Rabbit mAb - Images

