10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

HTRA3 Antibody (aa250-300)

Rabbit Polyclonal Antibody

Catalog # ALS12086

Specification

HTRA3 Antibody (aa250-300) - Product Information

Application	**WB, IHC**
Primary Accession	P83110
Reactivity	**Human, Rat, Monkey**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**49kDa KDa**

HTRA3 Antibody (aa250-300) - Additional Information

Gene ID 94031

Other Names
Serine protease HTRA3, 3.4.21.-, High-temperature requirement factor A3, Pregnancy-related serine protease, HTRA3, PRSP

Target/Specificity
A synthetic peptide within amino acid residues 250-300 of human HtrA3 was used as immunogen.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
HTRA3 Antibody (aa250-300) is for research use only and not for use in diagnostic or therapeutic procedures.

HTRA3 Antibody (aa250-300) - Protein Information

Name HTRA3

Synonyms PRSP

Function
Serine protease that cleaves beta-casein/CSN2 as well as several extracellular matrix (ECM) proteoglycans such as decorin/DCN, biglycan/BGN and fibronectin/FN1. Inhibits signaling mediated by TGF- beta family proteins possibly indirectly by degradation of these ECM proteoglycans (By similarity). May act as a tumor suppressor. Negatively regulates, in vitro, trophoblast invasion during placental development and may be involved in the development of the placenta in vivo. May also have a role in ovarian development, granulosa cell differentiation and luteinization (PubMed:21321049, PubMed:22229724).

Cellular Location

Secreted. Note=Secretion increased during decidualization of endometrial stromal cells

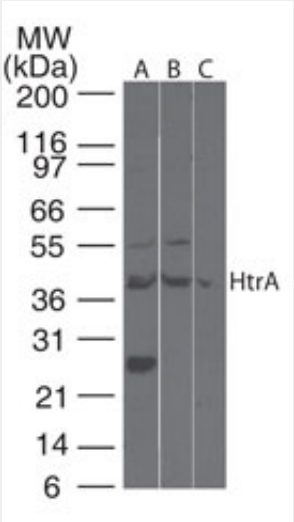
Tissue Location
Widely expressed, with highest levels in both adult and fetal heart, ovary, uterus placenta, and bladder. In the endometrium, expressed in epithelial glands and the stroma. Also present in leukocytes. Isoform 1 is predominant in heart and skeletal muscle, whereas isoform 2 is predominant in placenta and kidney

HTRA3 Antibody (aa250-300) - Protocols

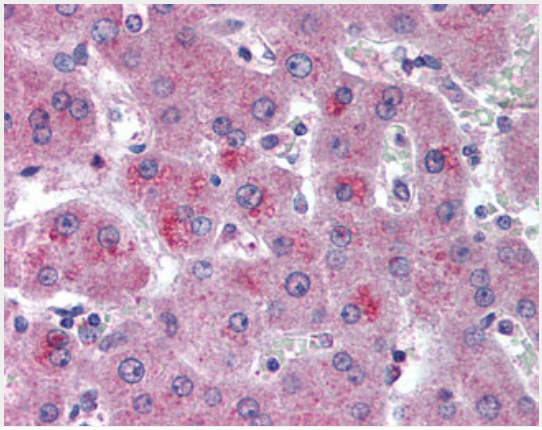
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

HTRA3 Antibody (aa250-300) - Images



Western blot of HtrA3 in rat heart lysate using antibody at 2 ug/ml.



10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-HTRA3 antibody IHC of human liver.

HTRA3 Antibody (aa250-300) - Background

Serine protease that cleaves beta-casein/CSN2 as well as several extracellular matrix (ECM) proteoglycans such as decorin/DCN, biglycan/BGN and fibronectin/FN1. Inhibits signaling mediated by TGF-beta family proteins possibly indirectly by degradation of these ECM proteoglycans (By similarity). May act as a tumor suppressor. Negatively regulates, in vitro, trophoblast invasion during placental development and may be involved in the development of the placenta in vivo. May also have a role in ovarian development, granulosa cell differentiation and luteinization.

HTRA3 Antibody (aa250-300) - References

Nie G.-Y.,et al.Biochem. J. 371:39-48(2003).
Southan C.,et al.Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
Hillier L.W.,et al.Nature 434:724-731(2005).
Bowden M.A.,et al.Gynecol. Oncol. 103:253-260(2006).
Narkiewicz J.,et al.Oncol. Rep. 21:1529-1537(2009).