

HTRA3 antibody - middle region Rabbit Polyclonal Antibody

Catalog # Al15121

Specification

HTRA3 antibody - middle region - Product Information

Application Primary Accession Other Accession Reactivity

Predicted

Host Clonality Calculated MW WB <u>P83110</u> <u>NM_053044</u>, <u>NP_444272</u> Human, Mouse, Rat, Horse, Guinea Pig, Dog Human, Mouse, Rat, Pig, Horse, Guinea Pig, Dog Rabbit Polyclonal 47kDa KDa

HTRA3 antibody - middle region - Additional Information

Gene ID 94031

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

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-HTRA3 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 HTRA3 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

HTRA3 antibody - middle region - 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

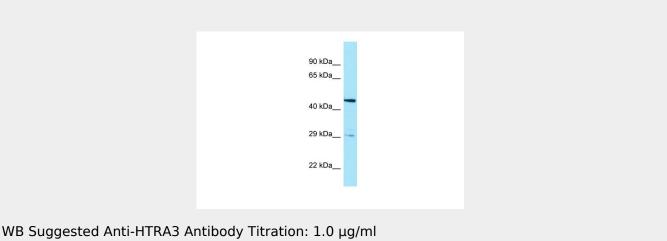
Widely expressed, with highest levels in both adult and fetal heart, ovary, uterus placenta, and bladder. In the endometrium, expressed in epithelial glands and the stroma. Also present in leukocytes. Isoform 1 is predominant in heart and skeletal muscle, whereas isoform 2 is predominant in placenta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

HTRA3 antibody - middle region - Protocols

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

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

HTRA3 antibody - middle region - Images



Positive Control: Fetal Brain

HTRA3 antibody - middle region - 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).