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HTRA3 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15121

Product Information

Application	WB
Primary Accession	P83110
Other Accession	NM_053044, NP_444272
Reactivity	Human, Mouse, Rat, Dog, Guinea Pig, Horse
Predicted	Human, Mouse, Rat, Pig, Dog, Guinea Pig, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	48608

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.

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

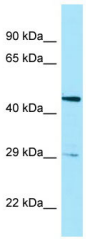
(PubMed:21321049, PubMed:22229724).

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

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).

Images



WB Suggested Anti-HTRA3 Antibody Titration: 1.0 µg/ml
Positive Control: Fetal Brain

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.