

Rabbit anti-Human HtrA3 Polyclonal Antibody | anti-HtrA3 antibody

Anti-HtrA3 Picoband Antibody

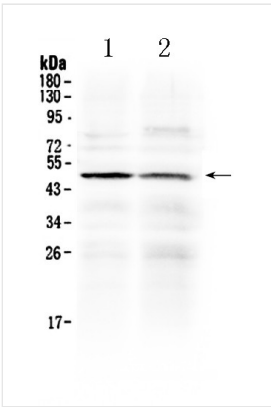
CATALOG # AAA124730	HOST Rabbit	REACTIVITY Human	APPLICATIONS Western Blot
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PRODUCT SYNONYMS

HtrA3; Polyclonal Antibody; Anti-HtrA3 Picoband Antibody; Serine protease HTRA3; 3.4.21.-; High-temperature requirement factor A3; Pregnancy-related serine protease; HTRA3; PRSP; anti-HtrA3 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified
Form/Format	Lyophilized; Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	357
Applicable Applications for anti-HtrA3 antibody	WB (Western Blot)
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HtrA3 (330-362aa FAIPSDRITRFLTEFQDKQIKDWKKRFIGIRMR), different from the related mouse sequence by four amino acids, and from the related rat sequence by three amino acids.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.



WB (Western Blot)

Figure 1. Western blot analysis of HtrA3 using anti- HtrA3 antibody (AAA124730).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.Lane 1: PANC-1 whole Cell lysates,Lane 2: HEPG2 whole cell lysates.After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti- HtrA3 antigen affinity purified polyclonal antibody at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for HtrA3 at approximately 49KD. The expected band size for HtrA3 is at 49KD.

ADDITIONAL INFORMATION

Related Product Information for anti-HtrA3 antibody	Description: Human HtrA3 protease, which induces mitochondria-mediated apoptosis, can be a tumor suppressor and a potential therapeutic target in the treatment of cancer. It may also have a role in ovarian development, granulosa cell differentiation and luteinization. The long isoform, HTRA3L, contains 453 amino acids and has a predicted molecular mass of 49 kD. It contains an N-terminal signal peptide, followed by an insulin/IGF (see 147440)-binding domain, a Kazal-type S protease inhibitor domain, a trypsin protease domain, and a PDZ domain. The short isoform, HTRA3S, contains 357 amino acids and has a predicted molecular mass of 38 kD. Protein 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).
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NCBI AND UNIPROT INFORMATION

NCBI GI #	662236739
NCBI GeneID	94031
NCBI Accession #	NP_001284488.1
NCBI GenBank Nucleotide #	NM_001297559.1
UniProt Accession #	P83110; Q7Z7A2
NCBI Official Full Name	serine protease HTRA3 isoform 2
NCBI Official Synonym Full Names	HtrA serine peptidase 3
NCBI Official Symbol	HTRA3
NCBI Official Synonym Symbols	Prsp; Tasp
NCBI Protein Information	serine protease HTRA3

UniProt Protein Name	Serine protease HTRA3
UniProt Gene Name	HTRA3
UniProt Synonym Gene Names	PRSP

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/htra3-antibody-western-blot-elisa/124730>