

Rabbit anti-Human, rat HtrA3 Polyclonal Antibody | anti-HTRA3 antibody

HtrA3 Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287483	Rabbit	Human, rat	Immunohistochemistry, ELISA, Western Blot

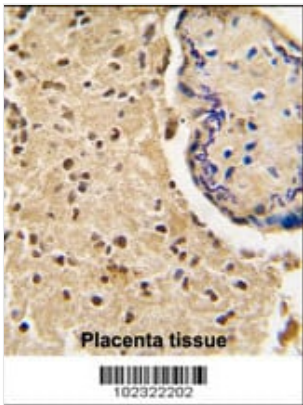
PRODUCT SYNONYMS

HtrA3; Polyclonal Antibody; HtrA3 Antibody (N-term); Serine protease HTRA3; 3421-; High-temperature requirement factor A3; Pregnancy-related serine protease; HTRA3; PRSP; anti-HTRA3 antibody

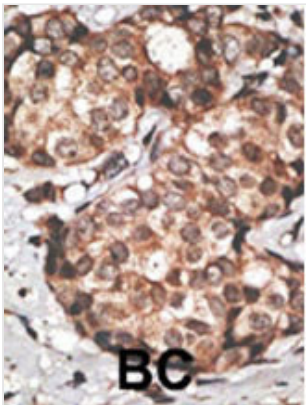
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, rat
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This HtrA3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 112-144 amino acids from the N-terminal region of human HtrA3.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	112-144
Sequence Length	453
Applicable Applications for anti-HTRA3 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

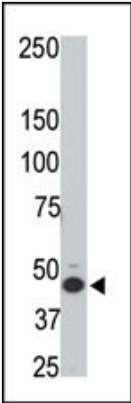
IMAGES



IHC (Immunohistochemisry)
Formalin-fixed and paraffin-embedded human placenta tissue reacted with HtrA3 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



IHC (Immunohiostchemistry)
Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.



WB (Western Blot)
The anti-HtrA3 N-term Pab is used in Western blot to detect HtrA3 in rat testis tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-HTRA3 antibody	Insulin-like growth factors (IGFs) stimulate the proliferation and differentiation of a vast number of cell types. The action of the growth factors is mediated and controlled by a complex system of components, including several proteases that cleave the IGF-Binding Proteins. HtrA1 is a 480 aa protein that contains an N-terminus homologous to MAC25 (IGFBP7) with a conserved Kazal-type serine protease inhibitor motif, as well as a C-terminal PDZ domain. Semiquantitative RT-PCR and immunoblot analyses showed an approximately 7-fold increase of PRSS11 in osteoarthritis cartilage compared with controls. HTRA2 is released from mitochondria and inhibits the function of XIAP by direct binding in a way similar to SMAC. Moreover, when overexpressed extramitochondrially, HTRA2 induced atypical cell death, which was neither accompanied by a significant increase in caspase activity nor inhibited by caspase inhibitors, including XIAP. A catalytically inactive mutant of HTRA2, however, did not induce cell death. Suzuki et al. (2001) concluded that HTRA2 is a SMAC-like inhibitor of IAP (inhibitor of apoptosis proteins) activity with a serine protease-dependent cell death-inducing activity.
Product Categories/Family for anti-HTRA3 antibody	Signal Transduction
References	Nie, G.Y., et al., Biochem. J. 371 (Pt 1), 39-48 (2003).

NCBI AND UNIPROT INFORMATION

NCBI GI #	22129776
NCBI GeneID	94031

NCBI Accession #	NP_444272.1
NCBI GenBank Nucleotide #	NM_053044.4
UniProt Accession #	P83110 ; Q7Z7A2
Molecular Weight	48608
NCBI Official Full Name	serine protease HTRA3 isoform 1
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
UniProt Entry Name	HTRA3_HUMAN

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-immunohistochemistry-western-blot-elisa/287483>