HTRA4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HTRA4, Polyclonal Antibody
Full Product Name	HTRA4 Antibody
Product Gene Name	anti-HTRA4 antibody
Clonality	Polyclonal
Isotype	Rabbit IgG
Host	Rabbit
Species Reactivity	Human, Rat
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Purity/Purification	Antigen affinity purification
Specificity	The antibody detects endogenous levels of total HTRA4 protein.
Preparation and Storage	Store at 4 degree C short term. Aliquot and store at -20 degree C long term. Avoid freeze/thaw cycles.
Molecular Weight	50,979 Da
OMIM	AK075205 mRNA
3D Structure	ModBase 3D Structure for P83105
Immunogen	Synthetic peptide of human HTRA4
Product Categories/Family for anti-HTRA4 antibody	Primary Antibody
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-HTRA4 antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-HTRA4 antibody	WB dilution: 1:500-2000 IHC dilution: 1:30-150
Related Product Information for anti-HTRA4 antibody	This gene encodes a member of the HtrA family of proteases. The encoded protein contains a putative signal peptide, an insulin growth factor binding domain, a Kazal protease inhibitor domain, a conserved trypsin domain and a PDZ domain. Based on studies on other related family members, this enzyme may function as a secreted oligomeric chaperone protease to degrade misfolded secretory proteins. Other human HtrA proteins have been implicated in arthritis, tumor suppression, unfolded stress response, apoptosis, and aging
Other Notes	Small volumes of anti-HTRA4 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for HTRA4 purchase	MBS8596148 is an antibody targeting HTRA4. Also known as HTRA4 Antibody. Reactive in Human, Rat. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HTRA4. It may not necessarily be applicable to this product.

NCBI GI #	24308541

NCBI GeneID	203100
NCBI Accession #	NP_710159.1
UniProt Primary Accession #	P83105
UniProt Secondary Accession #	Q542Z4; Q6PF13
UniProt Related Accession #	P83105
GenBank Nucleotide #	NM_153692.3
NCBI Official Full Name	serine protease HTRA4
NCBI Official Synonym Full Names	HtrA serine peptidase 4
NCBI Official Symbol	HTRA4
UniProt Protein Name	Serine protease HTRA4
UniProt Synonym Protein Names	High-temperature requirement factor A4
Protein Family	Serine protease
UniProt Gene Name	HTRA4
NCBI Protein Information	serine protease HTRA4
NCBI Summary for HTRA4	This gene encodes a member of the HtrA family of proteases. The encoded protein contains a putative signal peptide, an insulin growth factor binding domain, a Kazal protease inhibitor domain, a conserved trypsin domain and a PDZ domain. Based on studies on other related family members, this enzyme may function as a secreted oligomeric chaperone protease to degrade misfolded secretory proteins. Other human HtrA proteins have been implicated in arthritis, tumor suppression, unfolded stress response, apoptosis, and aging. [provided by RefSeq, Oct 2008]
UniProt Comments for HTRA4	Serine protease.
Research Articles on HTRA4	**1.** GATA3 knockdown elevated HtrA4 expression in BeWo and JEG-3 trophoblast cell lines and enhanced the invasion activities of both lines. This study uncovered a new GATA3 function in placenta as a negative regulator of GCM1 activity and trophoblastic invasion.
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