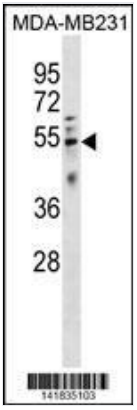
HTRA4 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	HTRA4, Polyclonal Antibody
Full Product Name	HTRA4, ID (HTRA4, Serine protease HTRA4, High-temperature requirement factor A4) (Biotin)
Product Gene Name	anti-HTRA4 antibody
Product Synonym Names	HTRA4; Serine protease HTRA4; High-temperature requirement factor A4
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Biotin.
Purity/Purification	Purified by Protein A Affinity Chromatography.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and store at -20 degree C. Aliquots are stable at -20 degree C for 12 months after receipt. Dilute required amount only prior to immediate use. Further dilutions can be made in assay buffer. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	50,979 Da
OMIM	AK075205 mRNA
3D Structure	ModBase 3D Structure for P83105
Immunogen	HTRA4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 283-311 amino acids from the Central region of human HTRA4.
Conjugate	Biotin
Note	Preservative Free
Product Categories/Family for anti-HTRA4 antibody	Antibodies; Enzymes; Protease (Proteinase; Peptidase)
Applications Tested/Suitable for anti-HTRA4 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-HTRA4 antibody	WB: 1:100-500 ELISA: 1:1,000 Applications are based on unconjugated antibody.
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.
Product References and Citations for anti-HTRA4 antibody	Clausen, T., et al. Mol. Cell 10(3):443-455(2002).
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	MBS6308894 is an antibody targeting HTRA4. Also known as HTRA4, ID (HTRA4, Serine protease HTRA4, High-temperature requirement factor A4) (Biotin). Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-HTRA4 antibody
HTRA4 Antibody (Center) western blot analysis in MDA-MB231 cell line lysates (35ug/lane).This demonstrates the HTRA4 antibody detected the HTRA4 protein (arrow).

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
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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