

Rabbit anti-Human HtrA2/Omi Polyclonal Antibody | anti-HTRA2 antibody

Anti-HtrA2/Omi Antibody, Rabbit Polyclonal

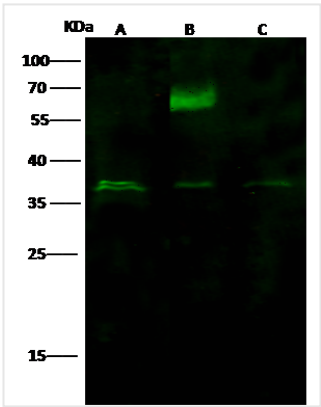
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA255035	Rabbit	Human	Immunoprecipitation, ELISA, Western Blot

PRODUCT SYNONYMS

HtrA2/Omi; Polyclonal Antibody; Anti-HtrA2/Omi Antibody; Rabbit Polyclonal; HtrA2 Antibody; Rabbit PAb; Antigen Affinity Purified; HtrA serine peptidase 2; Anti-OMI Antibody; Anti-PARK13 Antibody; Anti-PRSS25 Antibody; anti-HTRA2 antibody

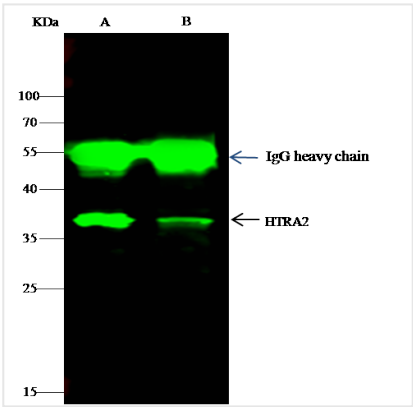
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HtrA2
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HTRA2 antibody	IP (Immunoprecipitation), ELISA, WB (Western Blot)
Immunogen	Recombinant Human HtrA2 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human HtrA2 (rh HtrA2). HtrA2 specific IgG was purified by Human HtrA2 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.



WB (Western Blot)

Anti-HTRA2 rabbit polyclonal antibody at 1:500 dilution
Lane A: Jurkat Whole Cell Lysate
Lane B: 293T Whole Cell Lysate
Lane C: HL60 Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti- Rabbit IgG H&L (Dylight 800) at 1/10000 dilution. Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 49 kDa Observed band size: 37 kDa (We are unsure as to the identity of these extra bands).



IP (Immunoprecipitation)

HTRA2 was immunoprecipitated using: Lane A: 0.5 mg 293T Whole Cell Lysate
Lane B: 0.5 mg HL-60 Whole Cell Lysate
1 uL anti-HTRA2 rabbit polyclonal antibody and 15 uL of 50 % Protein G agarose. Primary antibody: Anti-HTRA2 rabbit polyclonal antibody, at 1:500 dilution
Secondary antibody: Dylight 800-labeled antibody to rabbit IgG (H+L), at 1:5000 dilution
Developed using the Odyssey technique. Performed under reducing conditions. Predicted band size: 37 kDa Observed band size: 37 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HTRA2 antibody	Serine protease HTRA2, also known as high-temperature requirement protein A2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI and HTRA2, is a single-pass membrane protein that belongs to the peptidase S1B family. HTRA2 contains one PDZ (DHR) domain. HTRA2 is a serine protease that shows proteolytic activity against a non-specific substrate beta-casein. It promotes or induces cell death either by direct binding to and inhibition of BIRC proteins (also called inhibitor of apoptosis proteins, IAPs), leading to an increase in caspase activity or by a BIRC inhibition-independent, caspase-independent, and serine protease activity-dependent mechanism. HTRA2 cleaves THAP5 and promotes its degradation during apoptosis. Isoform 2 of HTRA2 seems to be proteolytically inactive. Defects in HTRA2 are the cause of Parkinson disease type 13 (PARK13) which is a complex neurodegenerative disorder characterized by bradykinesia, resting tremor, muscular rigidity, and postural instability, as well as by a clinically significant response to treatment with levodopa.
Product Categories/Family for anti-HTRA2 antibody	Serine Proteases and Regulators
References	Faccio L., et al., 2000, J. Biol. Chem. 275:2581-2588. Gray C.W., et al., 2000, Eur. J. Biochem. 267:5699-5710. Suzuki Y., et al., 2001, Mol. Cell 8:613-621. Strauss K.M., et al., 2005, Hum. Mol. Genet. 14:2099-2111.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7019477
NCBI GeneID	27429
NCBI Accession #	NP_037379.1
NCBI GenBank Nucleotide #	NM_013247.4
UniProt Accession #	O43464; Q9HBZ4; Q9P0Y3; Q9P0Y4
Molecular Weight	48,841 Da
NCBI Official Full Name	serine protease HTRA2, mitochondrial isoform 1 preproprotein
NCBI Official Synonym Full Names	HtrA serine peptidase 2
NCBI Official Symbol	HTRA2
NCBI Official Synonym Symbols	OMI; PARK13; PRSS25

NCBI Protein Information	serine protease HTRA2, mitochondrial; serine protease 25; protease, serine, 25; serine proteinase OMI; HtrA-like serine protease; Omi stress-regulated endoprotease; high temperature requirement protein A2
UniProt Protein Name	Serine protease HTRA2, mitochondrial
UniProt Gene Name	HTRA2
UniProt Synonym Gene Names	OMI; PRSS25; HtrA2
UniProt Entry Name	HTRA2_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/htra2-omi-antibody-immunoprecipitation-western-blot-elisa/255035>