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Anti-HTRA2/Omi Rabbit Monoclonal Antibody
Catalog # ABO13649

Specification

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IP**
Primary Accession	O43464
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-HTRA2/Omi Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Additional Information

Gene ID 27429

Other Names
Serine protease HTRA2, mitochondrial, 3.4.21.108, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, HTRA2, OMI, PRSS25

Calculated MW
48841 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
IP 1:30

Subcellular Localization
Mitochondrion intermembrane space. Mitochondrion membrane ; Single-pass membrane protein. Predominantly present in the intermembrane space. Released into the cytosol following apoptotic stimuli, such as UV treatment, and stimulation of mitochondria with caspase-8 truncated BID/tBID.

Tissue Specificity
Isoform 1 is ubiquitous. Isoform 2 is expressed predominantly in the kidney, colon and thyroid.

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human HTRA2

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Protein Information

Name HTRA2

Synonyms OMI, PRSS25

Function
Serine protease that shows proteolytic activity against a non-specific substrate beta-casein. 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. Cleaves THAP5 and promotes its degradation during apoptosis. Isoform 2 seems to be proteolytically inactive.

Cellular Location
Mitochondrion intermembrane space. Mitochondrion membrane; Single-pass membrane protein Note=Predominantly present in the intermembrane space. Released into the cytosol following apoptotic stimuli, such as UV treatment, and stimulation of mitochondria with caspase-8 truncated BID/tBID

Tissue Location
[Isoform 1]: Ubiquitously expressed.

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Images

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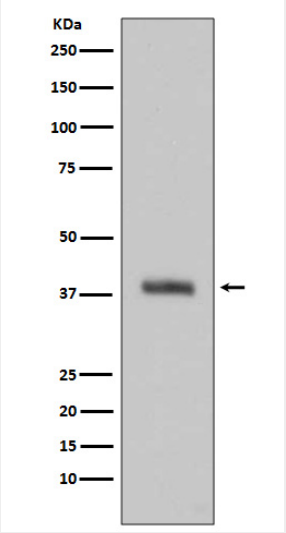

Western blot analysis of HTRA2 expression in Jurkat cell lysate.