

## ARG57915 anti-HtrA2 / Omi antibody

Package: 100 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes HtrA2 / Omi
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HtrA2 / Omi
Species	Human
Immunogen	Synthetic peptide derived from Human HtrA2 / Omi.
Conjugation	Un-conjugated
Alternate Names	Serine protease HTRA2, mitochondrial; Serine proteinase OMI; Omi stress-regulated endoprotease; OMI; EC 3.4.21.108; PARK13; High temperature requirement protein A2; PRSS25; Serine protease 25; HtrA2

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50 - 1:200
	IP	1:30
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 39 kDa	

### Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note**

For laboratory research only, not for drug, diagnostic or other use.

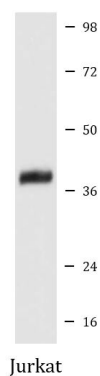
## Bioinformation

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Gene Symbol	HTRA2
Gene Full Name	HtrA serine peptidase 2
Background	This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. [provided by RefSeq, Jul 2008]
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. [UniProt]
Calculated Mw	49 kDa
PTM	Autoproteolytically activated. [UniProt]
Cellular Localization	Mitochondrion membrane > Single-pass membrane protein. [UniProt]

## Images

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ARG57915 anti-HtrA2 / Omi antibody WB image

Western blot: Jurkat cell lysate stained with ARG57915 anti-HtrA2 / Omi antibody.