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## Datasheet for ABIN674214 **anti-HTRA2 antibody (AA 355-458)**

### Overview

Quantity:	100 µL
Target:	HTRA2
Binding Specificity:	AA 355-458
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTRA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HtrA2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Rabbit
Purification:	Purified by Protein A.

### Target Details

Target:	HTRA2
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## Target Details

Alternative Name: HtrA2/Omi ([HTRA2 Products](#))

Background: Synonyms: High temperature requirement protein a2, HTRA 2, HtrA like serine protease, HtrA serine peptidase 2, Omi stress regulated endoprotease, PARK 13, PARK13, Protease serine 25, PRSS 25, PRSS25, Serine protease 25, Serine protease HTRA2 mitochondrial, HtrA2, HTRA2\_HUMAN, mitochondrial, Omi stress-regulated endoprotease, Serine protease HTRA2, Serine proteinase OMI, Serine protease htra2 mitochondrial precursor, Serine protease omi. Background: 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. Isoform 2 seems to be proteolytically inactive. [CATALYTIC ACTIVITY] Cleavage of non-polar aliphatic amino-acids at the P1 position, with a preference for Val, Ile and Met. At the P2 and P3 positions, Arg is selected most strongly with a secondary preference for other hydrophilic residues. [SUBUNIT] Homotrimer. Interacts with MXI2. The mature protein, but not the precursor, binds to BIRC2, BIRC3 and XIAP.

Gene ID: 27429

UniProt: [O43464](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

## Application Details

Application Notes: WB 1:300-5000  
ELISA 1:500-1000  
IHC-P 1:200-400  
IHC-F 1:100-500  
IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

## Handling

Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months