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Datasheet for ABIN674216
anti-HTRA2 antibody (AA 355-458) (Biotin)

Overview

Quantity:	100 µL
Target:	HTRA2
Binding Specificity:	AA 355-458
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTRA2 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, 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
Alternative Name:	HtrA2/Omi (HTRA2 Products)

Target Details

Background:	<p>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.</p> <p>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.</p>
Gene ID:	27429
UniProt:	O43464
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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.

Handling

Storage:	-20 °C
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Storage Comment:	Store at -20°C for 12 months.
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Expiry Date:	12 months
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