Datasheet for ABIN500411

anti-HTRA2 antibody (C-Term)

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2 Images

Overview

Quantity:	0.1 mg
Target:	HTRA2
Binding Specificity:	C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HTRA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	OMI antibody was raised against a peptide corresponding to 16 amino acids near the C-terminus of human Omi.
Isotype:	IgG
Specificity:	This antibody detects HTRA2 / PRSS25.
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Ion exchange chromatography

Target Details

Target:	HTRA2

Target Details

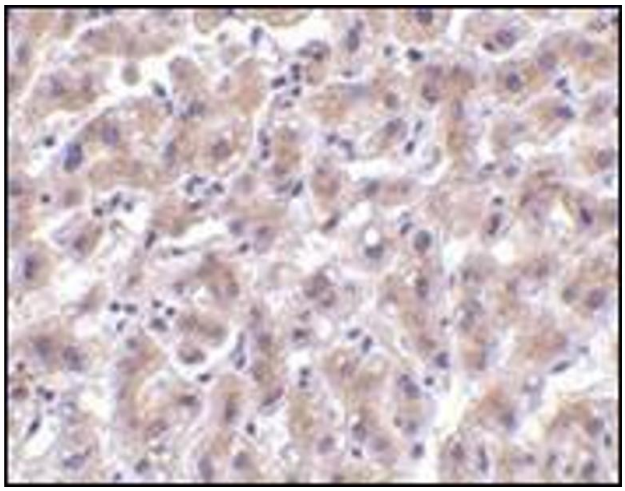
Alternative Name:	HTRA2 / PRSS25 (HTRA2 Products)
Background:	Inhibitor of apoptosis proteins (IAPs) were initially identified in baculoviruses as proteins that inhibit apoptosis of the host cells to allow time for viral replication (1). Cellular homologues containing at least one baculoviral IAP repeat (BIR) motif essential for their anti-apoptosis activity have been identified in yeasts and higher organisms and often act by binding and inhibiting processed caspases (reviewed in 2). The activity of these proteins can be modulated by the expression of proteins such as Smac/DIABLO and XAF-1 which displace or prevent the binding of caspases by IAPs (reviewed in 3). Recently, a mitochondrial serine protease termed Omi/HtrA2 has been found to bind IAPs (4). Similar to Smac, Omi possesses a conserved IAP-binding motif, but acts to cleave IAPs to irreversibly inactivate IAPs and promote apoptosis (5).Synonyms: High temperature requirement protein A2, OMI, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, mitochondrial Serine protease HTRA2
Gene ID:	27429
UniProt:	O43464
Pathways:	Positive Regulation of Endopeptidase Activity

Application Details

Application Notes:	ELISA. Western blot: 0.5 to 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

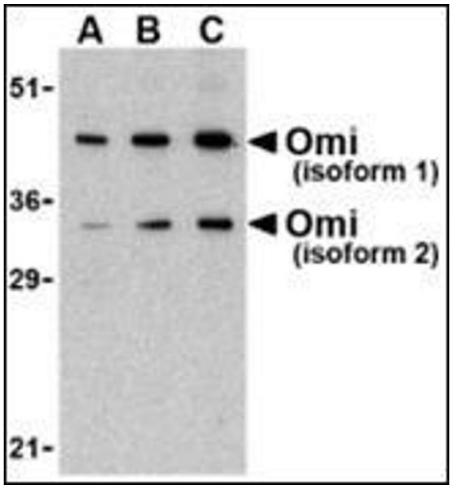
Handling

Buffer:	PBS containing 0.02 % sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of OMI in human liver tissue with this product at 2 µg/ml.



Western Blotting

Image 2. Western blot analysis of OMI in U937 lysate with this product at (A) 0.5, (B) 1, and (C) 2 µg/ml.