

Product datasheet

Anti-HtrA2 / Omi antibody ab36854

2 Images

Overview

Product name	Anti-HtrA2 / Omi antibody
Description	Rabbit polyclonal to HtrA2 / Omi
Host species	Rabbit
Tested applications	Suitable for: WB, ICC/IF, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide corresponding to 16 amino acids near the C-terminus of human OMI.
Positive control	U937 cell lysate.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: PBS
Purity	IgG fraction
Purification notes	Purified by Ion exchange chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab36854** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

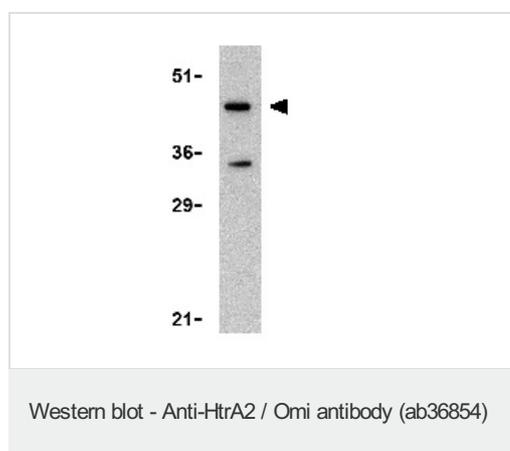
Application	Abreviews	Notes
WB		Use a concentration of 0.5 - 1 µg/ml. Detects a band of approximately 48 kDa (predicted molecular weight: 49 kDa).
ICC/IF		Use a concentration of 20 µg/ml.

Application	Abreviews	Notes
IHC-P		Use a concentration of 2 µg/ml.

Target

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.
Tissue specificity	Isoform 1 is ubiquitous. Isoform 2 is expressed predominantly in the kidney, colon and thyroid.
Involvement in disease	Defects in HTRA2 are the cause of Parkinson disease type 13 (PARK13) [MIM:610297]. A complex neurodegenerative disorder characterized by bradykinesia, resting tremor, muscular rigidity and postural instability, as well as by a clinically significant response to treatment with levodopa. The pathology involves the loss of dopaminergic neurons in the substantia nigra and the presence of Lewy bodies (intraneuronal accumulations of aggregated proteins), in surviving neurons in various areas of the brain.
Sequence similarities	Belongs to the peptidase S1B family. Contains 1 PDZ (DHR) domain.
Domain	The mature N-terminus is involved in the interaction with XIAP. The PDZ domain mediates interaction with MXI2.
Post-translational modifications	Autoproteolytically activated.
Cellular localization	Mitochondrion intermembrane space. Mitochondrion membrane. 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.

Images



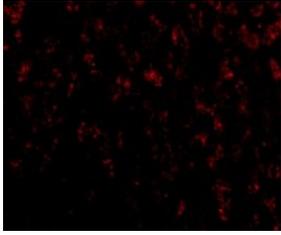
Anti-HtrA2 / Omi antibody (ab36854) at 1 µg/ml + U937 cell lysate

Predicted band size: 49 kDa

Observed band size: 48 kDa

[why is the actual band size different from the predicted?](#)

Additional bands at: 35 kDa (possible isoform)



Immunofluorescence of OMI in Human Liver cells using ab36854 at 20 ug/ml.

Immunocytochemistry/ Immunofluorescence - Anti-HtrA2 / Omi antibody (ab36854)

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours

- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors