

Human HTRA2/OMI (S306A) antibody

Catalog Number: AOH0607

PRODUCT INFORMATION

Catalog number

AOH0607

Clone No.

1B3

Product type

Monoclonal Antibody

UnitProt No.

O43464

NCBI Accession No.

NP_037379

Alternative Names

HtrA serine peptidase 2, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, PRSS25, OMI, PARK13

PRODUCT SPECIFICATION

Antibody Host

Mouse

Reacts With

Human

Concentration

1mg/ml (determined by BCA assay)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

Immunogen

Recombinant human HtrA2/Omi (134-458aa) purified from E. coli

Isotype

IgG1 kappa

Purification Note

By protein-G affinity chromatography

Application

ELISA, WB

Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

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Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

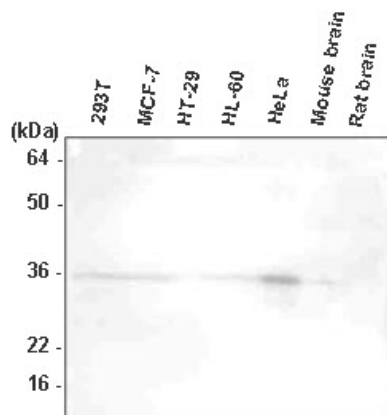
HtrA2/Omi is a mammalian serine protease at high temperatures and a chaperone at low temperature. The full-length HtrA2 is synthesized as a precursor protein and then targeted to the mitochondria where it is matured by the removal of N-terminal 133 residues. Mature HtrA2 consists of a putative transmembrane domain; an inhibitor of apoptosis protein (IAP) -binding motif; a single C-terminal PDZ domain that mediates protein-protein interactions. Recently, HtrA2 has known to contribute both to caspase-dependent and caspase-independent cell death.

General References

- Miller L., et al., (1999) Trends Cell Biol. 9:323-28.
Zumbrunn J., et al., (1996) FABS Lett. 398:187-92.
Gui-Ying N., et al., (2003) Biochem. J. 371:39-48.

DATA

Western blot analysis (WB)



The cell lysates of 293T, MCF7, HT-29, HL-60, HeLa and tissue lysates of mouse brain, rat brain were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human HtrA2/Omi antibody (1:1,000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.