

Datasheet for ABIN1107619

anti-HTRA2 antibody**3** Images**1** Publication[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	HTRA2
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This HTRA2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunoprecipitation (IP)

Product Details

Immunogen:	Human recombinant 6His tagged HtrA2/Omi.
Clone:	18-01-83
Isotype:	IgG2a
Specificity:	This antibody reacts with HtrA2/Omi (40 kDa) on Western blotting.
Purification:	Protein-A Agarose Chromatography of hybridoma supernatant.

Target Details

Target:	HTRA2
Alternative Name:	HTRA2 / PRSS25 (HTRA2 Products)
Background:	HtrA2, also known as Omi or Serine Protease-25, is a trimeric chaperone/heat shock protein

Target Details

involved in the degradation of aberrantly folded proteins during cellular stress. The ubiquitous HtrA2 protein exists as two isoforms of 38 and 40 kDa and as an alternatively spliced form called D-Omi, which is predominately expressed in the kidney, colon and thyroid. HtrA2 appears to function in the progression of arthritis, aging, and tumor progression. During apoptosis, HtrA2 is released from mitochondria into the cytoplasm where it inhibits XIAP, a caspase inhibitor. Release of HtrA2 from mitochondria appears to require Bax and Bcl-2, and the resulting overexpression of HtrA2 into the cytoplasm induces caspase-independent apoptosis. Synonyms: High temperature requirement protein A2, OMI, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, mitochondrial Serine protease HTRA2

Gene ID: 27429

NCBI Accession: [NP_037379](#)

UniProt: [O43464](#)

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

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS, pH 7.2 containing 50 % Glycerol without preservatives.

Preservative: Without preservative

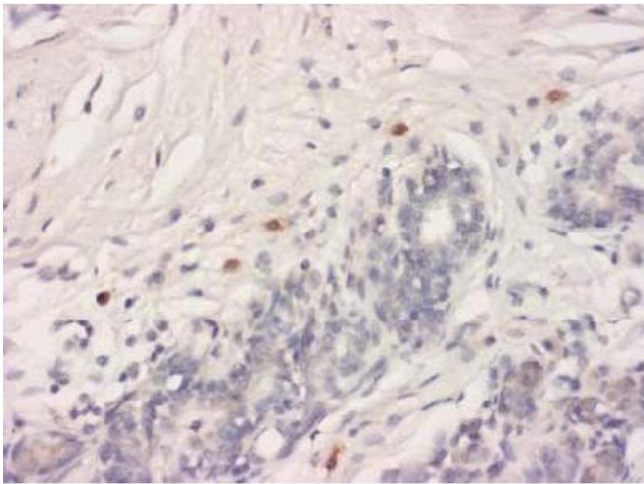
Handling Advice: Avoid repeated freezing and thawing.

Storage: -20 °C

Storage Comment: Store the antibody (in aliquots) at -20 °C.

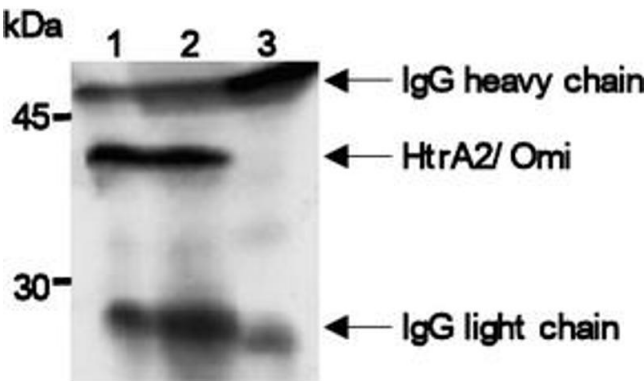
Publications

Product cited in: Chung, Islam, Rahman, Hong: "Neuroprotective function of Omi to α -synuclein-induced neurotoxicity." in: **Neurobiology of disease**, Vol. 136, pp. 104706, (2021) ([PubMed](#)).



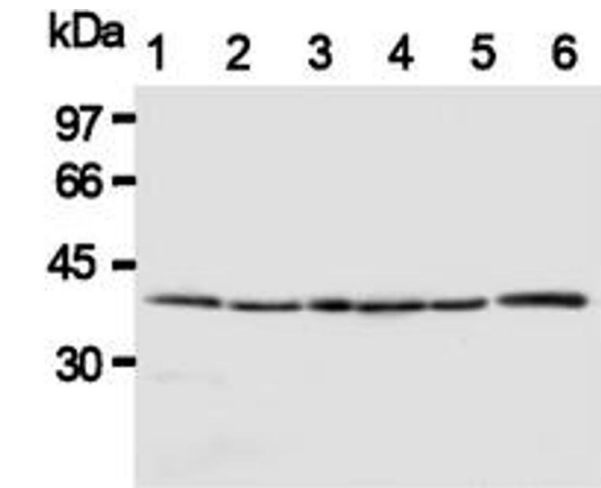
Immunohistochemistry

Image 1.



Western Blotting

Image 2.



Western Blotting

Image 3.