

## HtrA2 (phospho Ser142) rabbit pAb

Cat No.: ES5563

For research use only

## Overview

Product Name HtrA2 (phospho Ser142) rabbit pAb

Host species Rabbit
Applications IHC;IF;ELISA

Species Cross-Reactivity Human; Mouse; Rat

**Recommended dilutions** Immunohistochemistry: 1/100 - 1/300. ELISA:

1/40000. Not yet tested in other applications.

**Immunogen** Synthesized phospho-peptide around the

phosphorylation site of human HtrA2 (phospho

Ser142)

Specificity Phospho-HtrA2 (S142) Polyclonal Antibody detects

endogenous levels of HtrA2 protein only when

phosphorylated at S142.

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

**Store at -20°C.** Avoid repeated freeze-thaw cycles.

Protein Name Serine protease HTRA2 mitochondrial

Gene Name HTRA2

**Cellular localization** Mitochondrion intermembrane space.

Mitochondrion membrane; Single-pass membrane

protein. Predominantly present in the

intermembrane space. Released into the cytosol following apoptotic stimuli, such as UV treatment,

and stimulation of mitochondria with

**Purification** The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

**Observed band** 

Human Gene ID 27429 Human Swiss-Prot Number 043464

Alternative Names HTRA2; OMI; PRSS25; Serine protease HTRA2;

mitochondrial; High temperature requirement

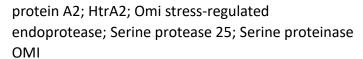


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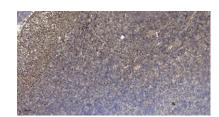
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**Background** 



This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016],



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 30min).

