

AP07755PU-N**Polyclonal Antibody to HTRA2 / PRSS25 - Purified**

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| Alternate names: | High temperature requirement protein A2, OMI, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, mitochondrial Serine protease HTRA2 |
| Quantity: | 50 µg |
| Concentration: | 1 mg/ml |
| 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. 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. 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. Recently, a mitochondrial serine protease termed Omi/HtrA2 has been found to bind IAPs. Similar to Smac, Omi possesses a conserved IAP-binding motif, but acts to cleave IAPs to irreversibly inactivate IAPs and promote apoptosis. |
| Uniprot ID: | O43464 |
| NCBI: | NP_037379.1 |
| GenelD: | 27429 |
| Host: | Rabbit |
| Immunogen: | Synthetic Peptide corresponding to 15 amino acids near the C-terminus of human OMI. |
| Format: | State: Liquid purified IgG fraction. Purification: Ion Exchange Chromatography. Buffer System: Phosphate Buffered Saline PBS containing 0.02% Sodium Azide as preservative. |
| Applications: | Immunohistochemistry on Paraffin Sections: 5 µg/ml. Western Blot: 0.5 - 1 µg/ml. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. |
| Specificity: | Species: Human. Other species not tested. |
| Storage: | Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C to -70°C for longer. Dilute only prior to immediate use. Avoid repeated freezing and thawing. Shelf life: one year from despatch. |

Pictures:

Figure 1. Formalin-Fixed Paraffin-Embedded (FFPE) on Spleen.

