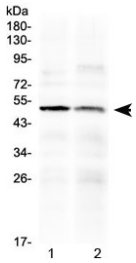
# HtrA3 Antibody (R32751)

| Catalog No. | Formulation | Size |
|---|---|---|
| R32751 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity |
| **Buffer** | Lyophilized from 1X PBS with 2.5% BSA, 0.025% sodium azide |
| **UniProt** | P83110 |
| **Applications** | WB: 0.5-1ug/ml |
| **Limitations** | This HtrA3 antibody is available for research use only. |




Western blot testing of human 1) PANC1 and 2) HepG2 cell lysate with HtrA3 antibody at 0.5ug/ml. Predicted molecular weight ~49 kDa.

## Description

Human HtrA3 protease, which induces mitochondria-mediated apoptosis, can be a tumor suppressor and a potential therapeutic target in the treatment of cancer. It may also have a role in ovarian development, granulosa cell differentiation and luteinization. The long isoform, HTRA3L, contains 453 amino acids and has a predicted molecular mass of 49 kD. It contains an N-terminal signal peptide, followed by an insulin/IGF (see 147440)-binding domain, a Kazal-type S protease inhibitor domain, a trypsin protease domain, and a PDZ domain. The short isoform, HTRA3S, contains 357 amino acids and has a predicted molecular mass of 38 kD.

## Application Notes

Optimal dilution of the HtrA3 antibody should be determined by the researcher.

## Immunogen

Amino acids 330-362 (FAIPSDRITRFLTEFQDKQIKDWKKRFIGIRMR) from the human protein were used as the immunogen for the HtrA3 antibody.

## Storage

After reconstitution, the HtrA3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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