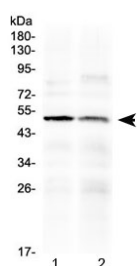


HtrA3 Antibody (R32751)

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	Western Blot : 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 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.