

## Anti-HtrA3 Antibody Picoband™

Catalog Number: A05478

### About HTRA3

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.

### Overview

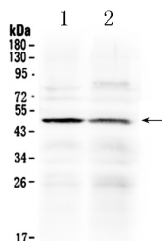
Product Name	Anti-HtrA3 Antibody Picoband™
Reactive Species	Human
Description	Boster Bio Anti-HtrA3 Antibody Picoband™ catalog # A05478. Tested in WB applications. This antibody reacts with Human.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P83110

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human HtrA3, different from the related mouse sequence by four amino acids, and from the related rat sequence by three amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.

Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Human</p>

## Anti-HtrA3 Antibody Picoband™ (A05478) Images



**Figure 1. Western blot analysis of HtrA3 using anti-HtrA3 antibody (A05478).**

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 50ug of sample under reducing conditions.

Lane 1: PANC-1 whole Cell lysates,

Lane 2: HEPG2 whole cell lysates.

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA for 50-90 minutes. Blocked the membrane with 5% Non-fat Milk/ TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-HtrA3 antigen affinity purified polyclonal antibody (Catalog # A05478) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for HtrA3 at approximately 49KD. The expected band size for HtrA3 is at 49KD.

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