

## **HTRA4 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP56950

### **Specification**

**Physical State** 

## **HTRA4 Polyclonal Antibody - Product Information**

Application WB, IHC-P, IHC-F, IF, ICC, E

Primary Accession
Reactivity
Rat, Bovine
Host
Clonality
Calculated MW
R83105
Rat, Bovine
Rabbit
Polyclonal
49 KDa

Immunogen KLH conjugated synthetic peptide derived

Liquid

laG

from human HTRA4

Epitope Specificity 251-350/476

Isotype Purity

Buffer 0.01M TBS (pH7.4) with 1% BSA, 0.02%

Proclin300 and 50% Glycerol.

SUBCELLULAR LOCATION Secreted.

SIMILARITY Belongs to the peptidase S1B family.

Contains 1 IGFBP N-terminal domain.
Contains 1 Kazal-like domain. Contains 1

PDZ (DHR) domain.

Important Note This product as supplied is intended for

research use only, not for use in human, therapeutic or diagnostic applications.

## **Background Descriptions**

affinity purified by Protein A

This gene encodes a member of the HtrA family of proteases. The encoded protein contains a putative signal peptide, an insulin growth factor binding domain, a Kazal protease inhibitor domain, a conserved trypsin domain and a PDZ domain. Based on studies on other related family members, this enzyme may function as a secreted oligomeric chaperone protease to degrade misfolded secretory proteins. Other human HtrA proteins have been implicated in arthritis, tumor suppression, unfolded stress response, apoptosis, and aging. [provided by RefSeq, Oct 2008]

# **HTRA4 Polyclonal Antibody - Additional Information**

### Gene ID 203100

#### **Other Names**

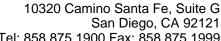
Serine protease HTRA4, 3.4.21.-, High-temperature requirement factor A4, HTRA4

#### **Dilution**

<span class ="dilution WB">WB~~1:1000</span><br \><span class</pre>

="dilution\_IHC-P">IHC-P~~N/A</span><br \><span class

="dilution\_IHC-F">IHC-F~~N/A</span><br \><span class





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="dilution IF">IF $\sim$ 1:50 $\sim$ 200</span><br/>span class ="dilution ICC">ICC $\sim$ N/A</span><br/>br \><span class ="dilution E">E~~N/A</span>

### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

## **HTRA4 Polyclonal Antibody - Protein Information**

Name HTRA4

**Function** Serine protease.

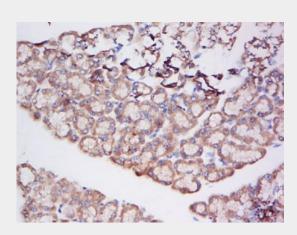
**Cellular Location** Secreted.

# **HTRA4 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

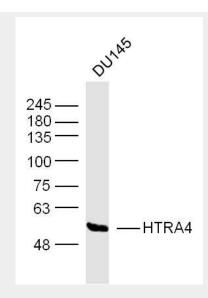
# HTRA4 Polyclonal Antibody - Images



Tissue/cell: Rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min;

Incubation: Anti-HTRA4 Polyclonal Antibody, Unconjugated(bs-18101R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



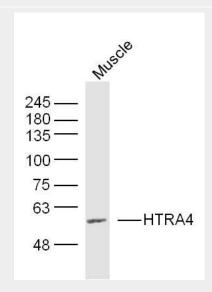


Protein: DU145(human) lyates at 30ug;

Primary: Rabbit Anti-HTRA4(bs-18101) at 1:300;

Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1: 10000;

Predicted band size:49 kD Observed band size:50 kD



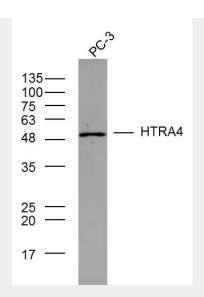
Protein: muscle(mouse) lyates at 30ug;

Primary: Rabbit Anti-HTRA4(bs-18101) at 1:300;

Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1: 10000;

Predicted band size:49 kD Observed band size:50 kD





Sample:

PC-3 Cell (Human) Lysate at 30 ug

Primary: Anti- HTRA4 (bs-18101R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kD Observed band size: 51 kD