

A13549

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## ST14 Rabbit pAb

Catalog No.: A13549

### Basic Information

**Observed MW**

100kDa

**Calculated MW**

95kDa

**Category**

Polyclonal Antibody

**Applications**

WB, IHC-P, ELISA

**Cross-Reactivity**

Human, Mouse

### Background

The protein encoded by this gene is an epithelial-derived, integral membrane serine protease. This protease forms a complex with the Kunitz-type serine protease inhibitor, HAI-1, and is found to be activated by sphingosine 1-phosphate. This protease has been shown to cleave and activate hepatocyte growth factor/scattering factor, and urokinase plasminogen activator, which suggest the function of this protease as an epithelial membrane activator for other proteases and latent growth factors. The expression of this protease has been associated with breast, colon, prostate, and ovarian tumors, which implicates its role in cancer invasion, and metastasis.

### Recommended Dilutions

WB	1:500 - 1:2000
IHC-P	1:50 - 1:200

### Immunogen Information

**Gene ID**

6768

**Swiss Prot**

Q9Y5Y6

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 566-855 of human ST14 (NP\_068813.1).

**Synonyms**

HAI; CAP3; MTSP1; SNC19; ARCI11; MT-SP1; PRSS14; TADG15; TMPRSS14; ST14

### Contact



[www.abclonal.com](http://www.abclonal.com)

### Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

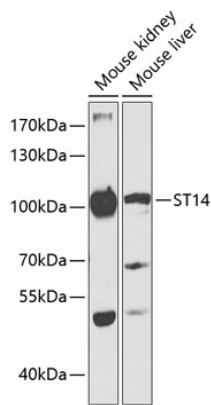
Affinity purification

**Storage**

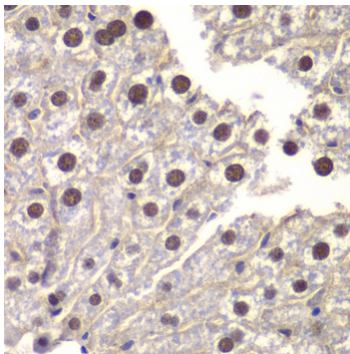
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

## Validation Data



Western blot analysis of various lysates using ST14 Rabbit pAb (A13549) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 90s.



Immunohistochemistry analysis of ST14 in paraffin-embedded mouse liver using ST14 Rabbit pAb (A13549) at dilution of 1:200 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.