Product datasheet

Anti-SerpinB3/SCCA antibody ab154971

Overview

Product name: Anti-SerpinB3/SCCA antibody
Description: Rabbit polyclonal to SerpinB3/SCCA
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-P, ICC/IF
Species reactivity: Reacts with: Human
Immunogen: Recombinant fragment corresponding to Human SerpinB3/SCCA aa 89-359.
Database link: P29508
Positive control: A549, HepG2 and HCT116 cell lysates; Human hepatoma tissue; A549 cells.
General notes: Protein previously labeled as SerpinB3.

Properties

Form: Liquid
Storage instructions: Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer: pH: 7.00
Preservative: 0.025% CMIT/MIT 3:1
Constituents: PBS, 20% Glycerol
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab154971 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<th>Application</th>
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<td>WB</td>
<td></td>
<td>1/500 - 1/3000. Predicted molecular weight: 45 kDa.</td>
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**Function**
May act as a protease inhibitor to modulate the host immune response against tumor cells.

**Tissue specificity**
Squamous cells. Expressed in some hepatocellular carcinoma (at protein level).

**Sequence similarities**
Belongs to the serpin family. Ov-serpin subfamily.

**Developmental stage**
Its expression is closely related to cellular differentiation in both normal and malignant squamous cells.

**Cellular localization**
Cytoplasm. Seems to also be secreted in plasma by cancerous cells but at a low level.

**IHC-P**
1/100 - 1/1000. Perform heat mediated antigen retrieval before commencing with IHC staining protocol using 10mM Citrate buffer (pH6.0) or Tris-EDTA buffer (pH8.0).

**ICC/IF**
1/100 - 1/1000.

**Target**

**Function**
May act as a protease inhibitor to modulate the host immune response against tumor cells.

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**Cellular localization**
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**Images**

- **Western blot**
  - Anti-SerpinB3/SCCA antibody (ab154971) at 1/1000 dilution
  - Lane 1: Non-transfected 293T whole cell extracts
  - Lane 2: Transfected 293T whole cell extracts
  - Lysates/proteins at 30 µg per lane.

  **Secondary**
  - All lanes: HRP-conjugated anti-rabbit IgG antibody

  **Predicted band size**: 45 kDa
Immunohistochemical analysis of paraffin-embedded Human cervical carcinoma tissue labeling SerpinB3/SCCA with ab154971 at 1/500 dilution.

**All lanes**: Anti-SerpinB3/SCCA antibody (ab154971) at 1/3000 dilution

**Lane 1**: A549 cell lysate

**Lane 2**: H1299 cell lysate

**Lane 3**: HCT116 cell lysate

Lysates/proteins at 30 µg per lane.

**Secondary**

**All lanes**: HRP-conjugated anti-rabbit IgG antibody

**Predicted band size**: 45 kDa

Anti-SerpinB3/SCCA antibody (ab154971) at 1/3000 dilution + HCT116 whole cell lysate at 30 µg

**Predicted band size**: 45 kDa

10% SDS PAGE
Immunohistochemical analysis of paraffin-embedded Human hepatoma tissue labeling SerpinB3/SCCA with ab154971 at 1/500 dilution.

Immunofluorescent analysis of methanol-fixed A549 cells labeling SerpinB3/SCCA with ab154971 at 1/500 dilution. Lower panel co-stained with Hoechst 33342.

Please note: All products are “FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES”

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