Overview

Product name: Anti-Zinc finger antiviral protein antibody

Description: Rabbit polyclonal to Zinc finger antiviral protein

Host species: Rabbit

Specificity: ab105357 is predicted to not crossreact with other ZAP members. Four isoforms of Zinc finger antiviral protein are known to exist.

Tested applications:

Suitable for: ICC/IF, WB, ICC

Species reactivity: Reacts with: Human

Immunogen: Synthetic peptide corresponding to Human Zinc finger antiviral protein (C terminal).

Database link: NP_078901

Positive control: WB: HeLa cell lysate ICC: HeLa cells

Properties

Form: Liquid

Storage instructions: Shipped at 4°C. Store at +4°C.

Storage buffer: Preservative: 0.02% Sodium azide

Constituent: PBS

Purity: Immunogen affinity purified

Clonality: Polyclonal

Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab105357 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>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>ICC/IF</td>
<td></td>
<td>Use a concentration of 20 µg/ml.</td>
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<tr>
<td>WB</td>
<td></td>
<td>Use a concentration of 0.5 - 1 µg/ml. Predicted molecular weight: 101 kDa.</td>
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Function
Induces an innate immunity to viral infections by preventing the accumulation of viral RNAs in the cytoplasm. Seems to recruit the RNA processing exosome to degrade the target RNAs. Inhibits alphavirus and filovirus replication.

Sequence similarities
Contains 4 C3H1-type zinc fingers.
Contains 1 PARP catalytic domain.
Contains 1 WWE domain.

Domain
The second and fourth zinc fingers are involved in binding to specific viral RNAs.

Cellular localization
Cytoplasm. Nucleus. Localizes in the cytoplasm at steady state, but shuttles between nucleus and cytoplasm in a XPO1-dependent manner.

Images

Anti-Zinc finger antiviral protein antibody (ab105357) at 1 µg/ml + HeLa cell lysate at 15 µg

Predicted band size: 101 kDa

Western blot - Anti-Zinc finger antiviral protein antibody (ab105357)

Immunocytochemical analysis of Zinc finger antiviral protein in HeLa cells stained with ab105357 at 20 µg/ml.

Immunocytochemistry - Anti-Zinc finger antiviral protein antibody (ab105357)
Immunofluorescence of ZC3HAV1 in Hela cells using ab105357 at 20 ug/ml.

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