Anti-SPON1 antibody ab14271

Overview

**Product name**  
Anti-SPON1 antibody

**Description**  
Chicken polyclonal to SPON1

**Host species**  
Chicken

**Tested applications**  
Suitable for: **WB, IHC-P**

**Species reactivity**  
Reacts with: Mouse, Rat, Cow, Human

**Immunogen**  
Synthetic peptide, corresponding to amino acids 549-807 of SPON1.

Properties

**Form**  
Liquid

**Storage instructions**  
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Storage buffer**  
Preservative: None  
Constituents: PBS

**Purity**  
Immunogen affinity purified

**Clonality**  
Polyclonal

**Isotype**  
IgY

Applications

Our Abpromise guarantee covers the use of ab14271 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
<thead>
<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>WB</strong></td>
<td>★★★★☆☆☆</td>
<td>1/2000. Predicted molecular weight: 100.9 kDa.</td>
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<tr>
<td><strong>IHC-P</strong></td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 24294399</td>
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Target
Relevance

SPON1 is a member of a subgroup of the thrombospondin type 1 (TSR) class molecules, defined by two domains of homology, the FS1/FS2 and TSR domains. The TSRs of SPON1 proteins are typical of class 2 TSRs. SPON1, which is similar to thrombospondin, is an extracellular matrix attached molecule that promotes neurite outgrowth and inhibits angiogenesis. Analysis of gain and loss of function experiments reveal that SPON1 is required for accurate pathfinding of embryonic axons, and plays a dual role in patterning axonal trajectories. It promotes the outgrowth of commissural and inhibits the outgrowth of motor axons, and has also been implicated in inflammatory processes in the nervous system.

Cellular localization

Secreted protein; extracellular space; extracellular matrix.

Images

KDa
75 -
50 -
37 -
25 -

Western blot - Anti-SPON1 antibody (ab14271)


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