**Product datasheet**

**Anti-SPON1 antibody ab14271**

★★★★☆ 1 Abreviews  2 References  1 Image

**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**  Constituent: 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>IHC-P</td>
<td></td>
<td>Use at an assay dependent concentration. PubMed: 24294399</td>
</tr>
</tbody>
</table>

**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**

![Western blot - Anti-SPON1 antibody (ab14271)](image)


**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

**Our Abpromise to you: Quality guaranteed and expert technical support**

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit [https://www.abcam.com/abpromise](https://www.abcam.com/abpromise) or contact our technical team.

**Terms and conditions**

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors