



## Product datasheet

### Anti-Spir-1 antibody ab130403

3 Images

#### Overview

<b>Product name</b>	Anti-Spir-1 antibody
<b>Description</b>	Rabbit polyclonal to Spir-1
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> ICC/IF, WB, IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	<p>Recombinant fragment corresponding to Human Spir-1 aa 374-474. This sequence can be found also in Isoforms 3 and 4, but not in Isoform 1.</p> <p>Sequence:</p> <p>LEEIKAERKLRPVSPEEIRRSRLDVTTPESTKNLVESSMVN GGLTSQTKE NGLSTSQQVPAQRKLLRAPTLAELDSSESEEEETLHK</p> <p>Database link: <a href="#">Q08AE8-2</a></p> <p> <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	WB: RT4 and U-251 MG whole cell lysates; IHC-P: Human lateral ventricle tissue; ICC: U-2 OS whole cells.
<b>General notes</b>	<p>Store product undiluted. For continuous use, store at 2-8°C for one-two days. Working dilution samples should be discarded if not used within 12 hours. The antibody solution should be gently mixed before use.</p> <p>This antibody is mono-specific.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
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<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine)
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

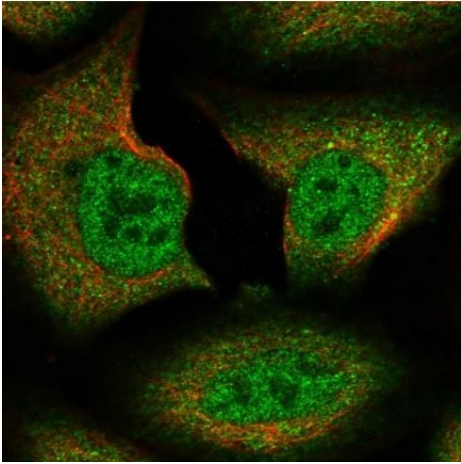
**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab130403 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
<b>ICC/IF</b>		Use a concentration of 0.25 - 2 µg/ml. Fixation/Permeabilization: PFA/Triton X-100
<b>WB</b>		Use a concentration of 0.04 - 0.4 µg/ml. Predicted molecular weight: 86 kDa.
<b>IHC-P</b>		1/500 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

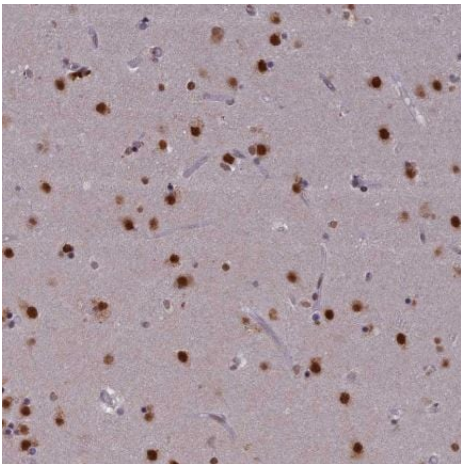
<b>Function</b>	Acts as a actin nucleation factor, remains associated with the slow-growing pointed end of the new filament. Involved in vesicle transport processes providing a novel link between actin organization and intracellular transport.
<b>Sequence similarities</b>	Belongs to the spire family. Contains 1 KIND domain. Contains 2 WH2 domains.
<b>Domain</b>	Binds to actin monomers via the WH2 domain. The Spire-box targets binding to intracellular membrane structures.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton. Cytoplasm > perinuclear region. Punctate spots in perinuclear region and cytoplasm, co-localised with Rab11.

## Images



Immunocytochemistry/ Immunofluorescence - Anti-Spir-1 antibody (ab130403)

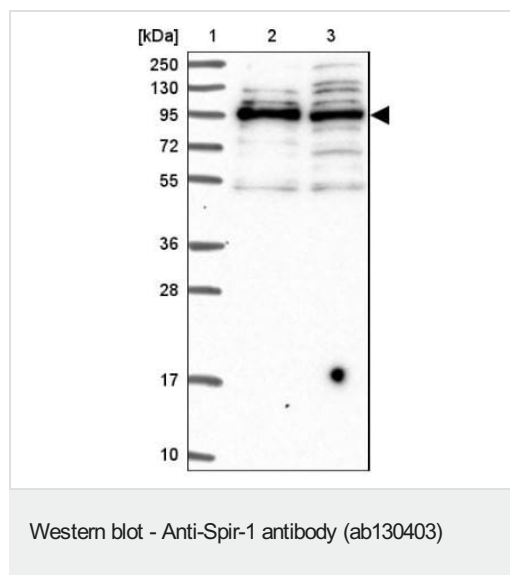
Immunocytochemical analysis of U-2 OS (Human bone osteosarcoma epithelial cell line) whole cells labeling Spir-1 in the nucleoplasm and cytosol with ab130403 antibody at 2 µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Spir-1 antibody (ab130403)

Immunohistochemical analysis of paraffin embedded human lateral ventricle tissue labeling Spir-1 in the nucleus of neuronal cells with ab130403 antibody at a 1/500 dilution.

Performed heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



**All lanes :** Anti-Spir-1 antibody (ab130403) at 0.4 µg/ml

**Lane 1 :** RT4 (Human urinary bladder cancer cell line) whole cell lysate

**Lane 2 :** U-251 MG (formally U-373 MG) (Human brain glioma cell line) whole cell lysate

**Predicted band size:** 86 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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