


Product datasheet

Anti-RSPO3 antibody ab109808

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Overview

<b>Product name</b>	Anti-RSPO3 antibody
<b>Description</b>	Goat polyclonal to RSPO3
<b>Host species</b>	Goat
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Horse, Cow, Dog, Pig 
<b>Immunogen</b>	Synthetic peptide: QHPSAKGNLCPPT , corresponding to internal sequence amino acids 181-193 of Human RSPO3 (NP_116173.2). RSPO3(Peptide available as <a href="#">ab135941</a> .) <a href="#">Run BLAST with</a> <a href="#">Run BLAST with</a>
<b>Positive control</b>	Human skeletal muscle lysate

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab109808** in the following tested applications.

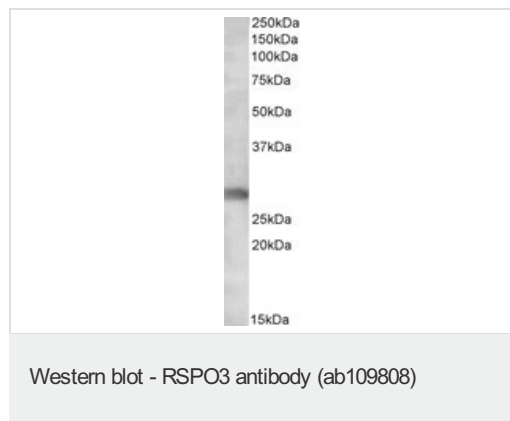
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.3 - 1 µg/ml. Detects a band of approximately 28 kDa (predicted molecular weight: 31 kDa). Can be blocked with <a href="#">Human RSPO3 peptide (ab135941)</a> .

## Target

<b>Function</b>	Activator of the beta-catenin signaling cascade, leading to TCF-dependent gene activation. Acts both in the canonical Wnt/beta-catenin-dependent pathway, possibly via a direct interaction with Wnt proteins, and in a Wnt-independent beta catenin pathway through a receptor signaling pathway that may not use frizzled/LRP receptors. Acts as a ligand for frizzled FZD8 and LRP6. May negatively regulate the TGF-beta pathway.
<b>Tissue specificity</b>	Ubiquitously expressed. Expressed at higher level in placenta, small intestine, fetal thymus and lymph node.
<b>Sequence similarities</b>	Belongs to the R-spondin family. Contains 2 FU (furin-like) repeats. Contains 1 TSP type-1 domain.
<b>Domain</b>	The FU repeats are required for activation and stabilization of beta-catenin.
<b>Cellular localization</b>	Secreted.

## Images



Anti-RSPO3 antibody (ab109808) at 0.3 µg/ml  
+ Human skeletal muscle lysate (in RIPA  
buffer) at 35 µg

Developed using the ECL technique.

**Predicted band size:** 31 kDa

**Observed band size:** 28 kDa

**Exposure time:** 1 hour

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

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