


Product datasheet

Anti-RSPO3 antibody ab109808

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Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 0.5% BSA, Tris buffered saline, pH 7.3
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	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 Human RSPO3 peptide (ab135941) .

Target

Function	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.
Tissue specificity	Ubiquitously expressed. Expressed at higher level in placenta, small intestine, fetal thymus and lymph node.
Sequence similarities	Belongs to the R-spondin family. Contains 2 FU (furin-like) repeats. Contains 1 TSP type-1 domain.
Domain	The FU repeats are required for activation and stabilization of beta-catenin.
Cellular localization	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

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