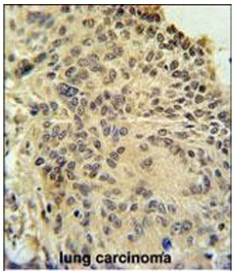
RSPO2 Antibody / R-spondin-2 (F55131)

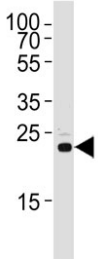
Catalog No.	Formulation	Size
F55131-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F55131-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

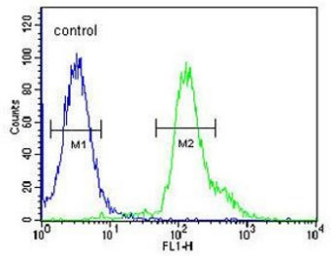
Availability	1-2 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q6UXX9
Applications	Western blot: 1:500-1:1000 Immunohistochemistry (FFPE): 1:50-1:100 Flow cytometry: 1:10-1:50 per million cells in 0.1ml
Limitations	This RSPO2 antibody is available for research use only.



IHC staining of FFPE human lung carcinoma tissue with RSPO2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of human HEK293 cell lysate with RSPO2 antibody. Predicted molecular weight ~28 kDa, ~20 kDa and ~21 kDa (three isoforms).



Flow cytometry testing of human HEK293 cells with RSPO2 antibody; Blue=isotype control, Green= RSPO2 antibody.

Description

RSPO2 is a member of the R-spondin family of proteins, which are known for their ability to regulate the Wnt signaling pathway. This pathway plays a crucial role in cell proliferation, differentiation, and stem cell maintenance. RSPO2 specifically has been shown to enhance Wnt signaling, leading to increased cell growth and tissue regeneration. Research on RSPO2 is still in its early stages, but some studies have already shown promising results. For example, a study published in the journal Cell Stem Cell found that RSPO2 can enhance the regenerative capacity of intestinal stem cells, potentially leading to new treatments for diseases like inflammatory bowel disease.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the RSPO2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 190-218 from the human protein was used as the immunogen for this RSPO2 antibody.

Storage

Store at 4oC for up to one month. For long term, aliquot the RSPO2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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