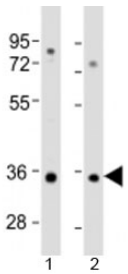
RSPO3 Antibody / R-spondin 3 (F53890)

Catalog No.	Formulation	Size
F53890-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53890-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9BXY4
Applications	1:1000-2000
Limitations	This RSPO3 antibody is available for research use only.



Western blot testing of human 1) A549 and 2) HT-1080 cell lysate with RSPO3 antibody at 1:2000. Predicted molecular weight: 31 kDa.

Description

R-spondin-3 is an activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors. Upon binding to LGR4-6 (LGR4, LGR5 or LGR6), LGR4-6 associate with phosphorylated LRP6 and frizzled receptors that are activated by extracellular Wnt receptors, triggering the canonical Wnt signaling pathway to increase expression of target genes. Also regulates the canonical Wnt/beta-catenin-dependent pathway and non-canonical Wnt signaling by acting as an inhibitor of ZNRF3, an important regulator of the Wnt signaling pathway. Acts as a ligand for frizzled FZD8 and LRP6. May negatively regulate the TGF-beta pathway.

Application Notes

Titration of the RSPO3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 214-248 from the human protein was used as the immunogen for the RSPO3 antibody.

Storage

Aliquot the RSPO3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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