

RSPO3 Monoclonal Antibody

Catalog No. E-AB-27337

Note: Centrifuge before opening to ensure complete recovery of vial contents.

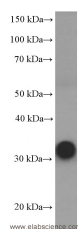
Description

Reactivity	Human
Immunogen	Fusion protein of RSPO3
Host	Mouse
Isotype	IgG2b
Clone	Clone:648
Purification	Protein A purification
Conjugation	Unconjugated
Buffer	PBS with 0.02% sodium azide, 50% glycerol, PH7.3

Applications Recommended Dilution

WB 1:1000-1:10000,
IHC 1:50-1:500, IF
1:50-1:500

Data



Western Blot analysis of Human skeletal muscle tissue
using RSPO3 Monoclonal Antibody at dilution of
1:2000

Observed Mw:32kDa
Calculated Mw:272aa, 31kDa

Preparation & Storage

Storage Store at -20°C. Avoid freeze / thaw cycles.

Background

RSPO3, also named as R-spondin-3, is a 272 amino acid protein, which contains 1 TSP type-1 domain and 2 FU (furin-like) repeats. RSPO3 may be a secreted protein and belongs to the R-spondin family. RSPO3 is expressed at higher level in placenta, small intestine, fetal thymus and lymph node. RSPO3 is an activator of the canonical Wnt signaling pathway by acting as a ligand for LGR4-6 receptors. The four R-spondins (RSPO1-4) and three related leucinerich repeat-containing G-protein coupled receptors, LGR4, LGR5, and LGR6 (LGR4-6), constitute a ligand-receptor system that plays critical roles in development, stem cell survival, and oncogenesis. Ectopic expression of RSPO2/3 in mouse mammary epithelial cells led to an increase in invasiveness in vitro and in tumor formation and metastasis in vivo.

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