

ARG44009 anti-RXYLT1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RXYLT1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA, FACS, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RXYLT1
Species	Human
Immunogen	Human RXYLT1 recombinant protein
Conjugation	Un-conjugated
Alternate Names	RXYLT1; Ribitol Xylosyltransferase 1; Transmembrane Protein 5; HP10481; TMEM5; UDP-D-Xylose:Ribitol-5-Phosphate Beta1,4-Xylosyltransferase; Ribitol-5-Phosphate Xylosyltransferase 1; Type II Membrane Protein; EC 2.4.2.61; MDDGA10

Application Instructions

Application table	Application	Dilution
	ELISA	0.1-0.5 µg/ml
	FACS	1-3 µg/1x10 ⁶
	WB	0.25-0.5 µg/ml

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

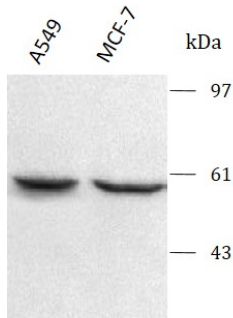
Bioinformation

Gene Symbol	RXYLT1
Gene Full Name	Ribitol Xylosyltransferase 1
Background	This gene encodes a type II transmembrane protein that is thought to have glycosyltransferase function. Mutations in this gene result in cobblestone lissencephaly. Alternative splicing results in multiple transcript variants encoding different isoforms.
Function	Acts as a UDP-D-xylose:ribitol-5-phosphate beta1,4-xylosyltransferase, which catalyzes the transfer of UDP-D-xylose to ribitol 5-phosphate (Rbo5P) to form the Xylbeta1-4Rbo5P linkage on O-mannosyl glycan (PubMed:27733679, PubMed:29477842) (Probable). Participates in the biosynthesis of the phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-3-N-acetylglucosamine-beta-4-(phosphate-6-)mannose), a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity (PubMed:25279699, PubMed:27601598, PubMed:27733679) (Probable).
Calculated Mw	51 kDa
Cellular Localization	Golgi apparatus,Membrane

Images

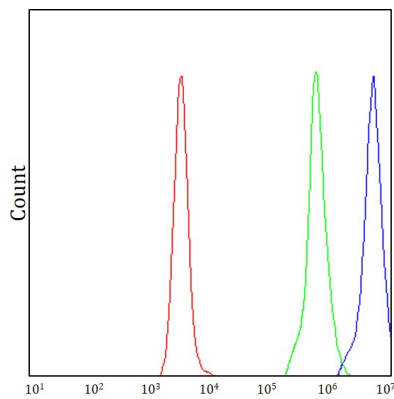
ARG44009 anti-RXYLT1 antibody WB image

Western blot: MCF-7 and HEL stained with ARG44009 anti-RXYLT1 antibody at 0.5 µg/mL dilution.



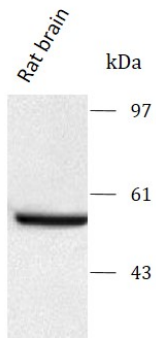
ARG44009 anti-RXYLT1 antibody FACS image

Flow Cytometry: Daudi cells stained with ARG44009 anti-RXYLT1 antibody (blue) at 1 µg/1x10⁶ cells dilution.



ARG44009 anti-RXYLT1 antibody WB image

Western blot: Rat brain stained with ARG44009 anti-RXYLT1 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44009 anti-RXYLT1 antibody WB image

Western blot: Mouse brain stained with ARG44009 anti-RXYLT1 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.

