ARG42366
anti-LRRC32 / GARP antibody [GARP5]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [GARP5] recognizes LRRC32 / GARP
Tested Reactivity	Hu
Tested Application	WB
Specificity	The mouse monoclonal antibody GARP5 recognizes GARP / LRRC32, an approximately 80 kDa glycoprotein expressed e.g. on the surface of megakaryocytes, platelets and activated Treg cells.
Host	Mouse
Clonality	Monoclonal
Clone	GARP5
Isotype	IgG1
Target Name	LRRC32 / GARP
Species	Human
Immunogen	Purified Human sGARP protein.
Conjugation	Un-conjugated
Alternate Names	D11S833E; Glycoprotein A repetitions predominant; Garpin; GARP; Leucine-rich repeat-containing protein 32

Application Instructions

Application table

Application	Dilution
WB	1 - 2 µg/ml

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

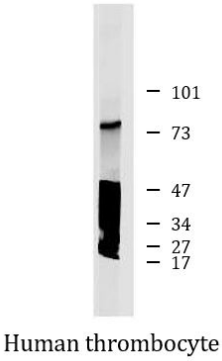
Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 15 mM Sodium azide.
Preservative	15 mM Sodium azide
Concentration	1 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.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	LRRC32
Gene Full Name	leucine rich repeat containing 32
Background	This gene encodes a type I membrane protein which contains 20 leucine-rich repeats. Alterations in the chromosomal region 11q13-11q14 are involved in several pathologies. [provided by RefSeq, Jul 2008]
Function	Key regulator of transforming growth factor beta (TGFB1, TGFB2 and TGFB3) that controls TGF-beta activation by maintaining it in a latent state during storage in extracellular space (PubMed:19750484, PubMed:19651619, PubMed:22278742). Associates specifically via disulfide bonds with the Latency-associated peptide (LAP), which is the regulatory chain of TGF-beta, and regulates integrin-dependent activation of TGF-beta (PubMed:22278742). Able to outcompete LTBP1 for binding to LAP regulatory chain of TGF-beta (PubMed:22278742). Controls activation of TGF-beta-1 (TGFB1) on the surface of activated regulatory T-cells (Tregs) (PubMed:19750484, PubMed:19651619). Required for epithelial fusion during palate development by regulating activation of TGF-beta-3 (TGFB3) (By similarity). [UniProt]
Calculated Mw	72 kDa
Cellular Localization	Membrane; Single-pass type I membrane protein. [UniProt]

Images



ARG42366 anti-LRRC32 / GARP antibody [GARP5] WB image

Western blot: Human thrombocyte lysates stained with ARG42366 anti-LRRC32 / GARP antibody [GARP5], under reducing conditions.