

ARG42366
anti-LRRC32 / GARP antibody [GARP5]Package: 100 µg
Store at: -20°C

Summary

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|---------------------|---|
| 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

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|---------------------|--|
| 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

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|-----------------------|---|
| 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

