# ARG42886
# anti-OXGR1 / GPR99 antibody

Package: 100 µl
Store at: -20°C

## Summary

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|---|---|
| Product Description | Rabbit Polyclonal antibody recognizes OXGR1 / GPR99 |
| Tested Reactivity | Hu, Ms, Rat |
| Tested Application | FACS, ICC/IF, WB |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | IgG |
| Target Name | OXGR1 / GPR99 |
| Species | Human |
| Immunogen | Synthetic peptide of Human OXGR1 / GPR99. |
| Conjugation | Un-conjugated |
| Alternate Names | G-protein coupled receptor 99; P2Y-like nucleotide receptor; G-protein coupled receptor 80; P2Y purinoceptor 15; 2-oxoglutarate receptor 1; P2Y-like GPCR; P2RY15; aKGR; Alpha-ketoglutarate receptor 1; P2Y15; GPR99; GPR80 |

## Application Instructions

Application table

| Application | Dilution |
|---|---|
| FACS | 1:20 - 1:100 |
| ICC/IF | 1:50 - 1:200 |
| WB | 1:1000 - 1:5000 |

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| Application Note | * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist. |
| Positive Control | HeLa |
| Observed Size | ~ 38 kDa |

## Properties

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| Form | Liquid |
| Purification | Affinity purified. |
| Buffer | 50 mM Tris-Glycine (pH 7.4), 150 mM NaCl, 0.01% Sodium azide, 40% Glycerol and 0.05% BSA. |
| Preservative | 0.01% Sodium azide |
| Stabilizer | 40% Glycerol and 0.05% BSA |
| Concentration | Batch dependent |

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| 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. 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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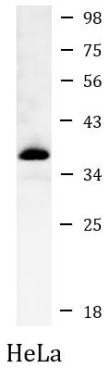
|---|---|
| Gene Symbol | OXGR1 |
| Gene Full Name | oxoglutarate (alpha-ketoglutarate) receptor 1 |
| Background | This gene encodes a G protein-coupled receptor (GPCR) that belongs to the oxoglutarate receptor family within the GPCR superfamily. The encoded protein is activated by the citric acid intermediate, oxoglutarate, as well as several cysteinyl leukotrienes, including leukotrienes E4, C4 and D4, which are implicated in many inflammatory disorders. In mice, a knock-out of this gene leads to middle ear inflammation, changes in the mucosal epithelium, and an increase in fluid behind the eardrum, and is associated with hearing loss. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016] |
| Function | Receptor for alpha-ketoglutarate. Seems to act exclusively through a G(q)-mediated pathway (By similarity). [UniProt] |
| Calculated Mw | 38 kDa |
| Cellular Localization | Cell membrane; Multi-pass membrane protein. [UniProt] |

## Images




ARG42886 anti-OXGR1 / GPR99 antibody WB image

Western blot: HeLa cell lysate stained with ARG42886 anti-OXGR1 / GPR99 antibody at 1:1000 dilution.