

## Anti-FLRT2 antibody



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|---------------------------|-------------------------------------------------------------------------------------------------------------------------|
| <b>Description</b>        | Unconjugated Rabbit polyclonal to FLRT2                                                                                 |
| <b>Model</b>              | STJ192439                                                                                                               |
| <b>Host</b>               | Rabbit                                                                                                                  |
| <b>Reactivity</b>         | Human                                                                                                                   |
| <b>Applications</b>       | ELISA, WB                                                                                                               |
| <b>Immunogen</b>          | Synthesized peptide derived from human FLRT2 protein.                                                                   |
| <b>Immunogen Region</b>   | 170-250aa                                                                                                               |
| <b>Gene ID</b>            | <a href="#">23768</a>                                                                                                   |
| <b>Gene Symbol</b>        | <a href="#">FLRT2</a>                                                                                                   |
| <b>Dilution range</b>     | WB 1:500-2000 ELISA 1:5000-20000                                                                                        |
| <b>Specificity</b>        | FLRT2 Polyclonal Antibody detects endogenous levels of protein.                                                         |
| <b>Tissue Specificity</b> | Expressed in pancreas, skeletal muscle, brain, and heart.                                                               |
| <b>Purification</b>       | FLRT2 antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| <b>Note</b>               | For Research Use Only (RUO).                                                                                            |
| <b>Protein Name</b>       | Leucine-rich repeat transmembrane protein FLRT2 Fibronectin-like domain-containing leucine-rich transmembrane protein 2 |
| <b>Molecular Weight</b>   | 72 kDa                                                                                                                  |
| <b>Clonality</b>          | Polyclonal                                                                                                              |

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| <b>Conjugation</b>                      | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Isotype</b>                          | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Formulation</b>                      | Liquid form in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Concentration</b>                    | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage Instruction</b>              | Store at -20°C, and avoid repeat freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Database Links</b>                   | <a href="#">HGNC:3761OMIM:604807</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Alternative Names</b>                | Leucine-rich repeat transmembrane protein FLRT2 Fibronectin-like domain-containing leucine-rich transmembrane protein 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Function</b>                         | Functions in cell-cell adhesion, cell migration and axon guidance. Mediates cell-cell adhesion via its interactions with ADGRL3 and probably also other latrophilins that are expressed at the surface of adjacent cells. May play a role in the migration of cortical neurons during brain development via its interaction with UNC5D. Mediates axon growth cone collapse and plays a repulsive role in neuron guidance via its interaction with UNC5D, and possibly also other UNC-5 family members. Plays a role in fibroblast growth factor-mediated signaling cascades. Required for normal organization of the cardiac basement membrane during embryogenesis, and for normal embryonic epicardium and heart morphogenesis. |
| <b>Cellular Localization</b>            | Cell membrane Endoplasmic reticulum membrane Cell junction, focal adhesion Secreted, extracellular space, extracellular matrix Microsome membrane Secreted Cell junction, synapse, synaptosome. Proteolytic cleavage gives rise to a shedded ectodomain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Post-translational Modifications</b> | N-glycosylated. Proteolytic cleavage in the juxtamembrane region gives rise to a soluble ectodomain. Cleavage is probably effected by a metalloprotease.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |