

# GPR110 Polyclonal Antibody

Catalog # AP70138

## Product Information

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|-------------------|------------------------|
| Application       | WB, IF, ICC, E         |
| Primary Accession | <a href="#">Q5T601</a> |
| Reactivity        | Human, Rat, Mouse      |
| Host              | Rabbit                 |
| Clonality         | Polyclonal             |
| Calculated MW     | 101365                 |

## Additional Information

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|--------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene ID            | 266977                                                                                                                                                   |
| Other Names        | GPR110; PGR19; Probable G-protein coupled receptor 110; G-protein coupled receptor KPG_012; G-protein coupled receptor PGR19                             |
| Dilution           | WB~~Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications. IF~~1:50~200 ICC~~N/A E~~N/A |
| Format             | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.                                                                            |
| Storage Conditions | -20°C                                                                                                                                                    |

## Protein Information

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| Name              | ADGRF1 {ECO:0000303 PubMed:35418679, ECO:0000312 HGNC:HGNC:18990}                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Function          | Adhesion G protein-coupled receptor (aGPCR) for N-docosahexaenoyl ethanolamine (synaptamide), an omega-3 fatty acid lipid highly enriched in the brain (PubMed: <a href="#">27759003</a> , PubMed: <a href="#">32144388</a> ). Ligand binding causes a conformation change that triggers signaling via guanine nucleotide-binding proteins (G proteins) and modulates the activity of downstream effectors, such as adenylate cyclase (PubMed: <a href="#">35418679</a> , PubMed: <a href="#">36127364</a> , PubMed: <a href="#">37120430</a> ). ADGRF1 is coupled to G(s) G proteins and mediates activation of adenylate cyclase activity (PubMed: <a href="#">35418679</a> ). Also able to couple to G(q), G(i) and G(12)/G(13) G proteins; additional evidence is however required to confirm this result in vivo (PubMed: <a href="#">36127364</a> , PubMed: <a href="#">37120430</a> ). Involved in the development of neurons and cognitive function (By similarity). In liver, involved in fat accumulation (By similarity). |
| Cellular Location | Cell membrane; Multi-pass membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## Tissue Location

Mainly expressed in the kidney. Up-regulated in lung adenocarcinomas and prostate cancers

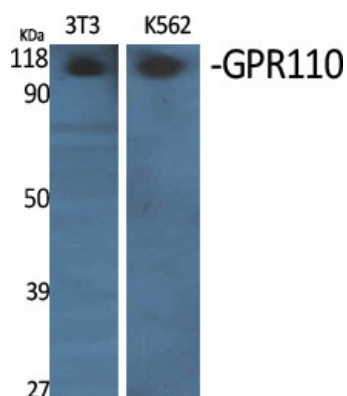
## Background

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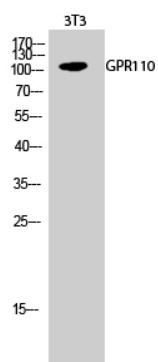
Orphan receptor.

## Images

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Western Blot analysis of various cells using GPR110 Polyclonal Antibody



Western Blot analysis of 3T3 cells using GPR110 Polyclonal Antibody

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