

## Rabbit GPR1 Polyclonal Antibody | anti-GPR1 antibody

Rabbit Polyclonal to Human GPR1

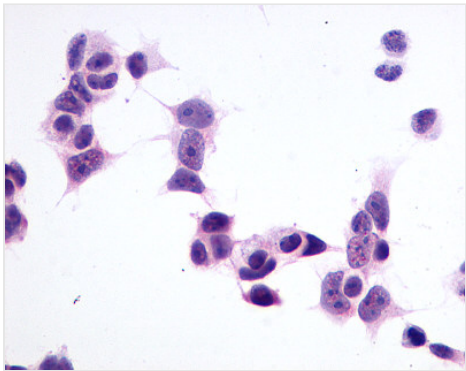
| CATALOG # | HOST   | REACTIVITY                                                                                                         | APPLICATIONS         |
|-----------|--------|--------------------------------------------------------------------------------------------------------------------|----------------------|
| AAA51517  | Rabbit | Gibbon, Dog, Human, Monkey<br><b>Predicted Reactivity:</b> Gorilla, Pig (at least 90% immunogen sequence identity) | Immunohistochemistry |

### PRODUCT SYNONYMS

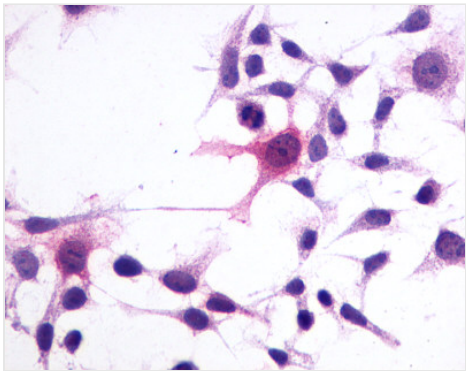
GPR1; Polyclonal Antibody; Rabbit Polyclonal to Human GPR1; Anti-GPR1 Antibody (C-Terminus) IHC-plus; G-protein coupled receptor 1; G protein-coupled receptor 1; Gpr-1; Human GPR1; anti-GPR1 antibody

### PRODUCT SPECIFICATIONS

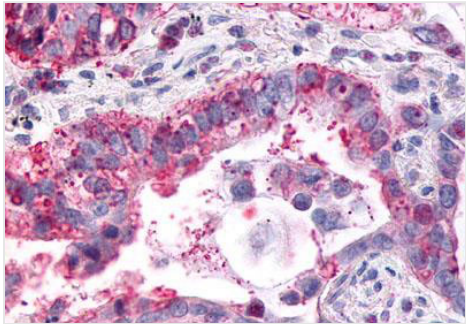
|                                                |                                                                                                                                                                                                                                                                                 |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                                                                                                          |
| Reactivity                                     | Gibbon, Dog, Human, Monkey<br><b>Predicted Reactivity:</b> Gorilla, Pig (at least 90% immunogen sequence identity)                                                                                                                                                              |
| Clonality                                      | Polyclonal                                                                                                                                                                                                                                                                      |
| Specificity                                    | Human GPR1. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except PDE3B (50%).                                                                                                                                                           |
| Purity/Purification                            | Immunoaffinity Purified                                                                                                                                                                                                                                                         |
| Form/Format                                    | PBS, 0.1% sodium azide.                                                                                                                                                                                                                                                         |
| Concentration                                  | 1 mg/ml (varies by lot)                                                                                                                                                                                                                                                         |
| Sequence Length                                | 355                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-GPR1 antibody | IHC (Immunohistochemistry)                                                                                                                                                                                                                                                      |
| Usage Not Recommended                          | Immunocytochemistry (ICC)                                                                                                                                                                                                                                                       |
| Target Species                                 | Human                                                                                                                                                                                                                                                                           |
| Immunogen Description                          | Synthetic 16 amino acid peptide from C-terminus of human GPR1. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Dog (100%); Gorilla, Pig (94%); Elephant, Panda, Bovine, Platypus (88%); Opossum (81%).                                  |
| Immunogen Type                                 | Synthetic peptide                                                                                                                                                                                                                                                               |
| Immunogen                                      | GPR1 antibody was raised against synthetic 16 amino acid peptide from C-terminus of human GPR1. Percent identity with other species by BLAST analysis: Human, Gibbon, Monkey, Marmoset, Dog (100%); Gorilla, Pig (94%); Elephant, Panda, Bovine, Platypus (88%); Opossum (81%). |
| Antigen Modification                           | C-Terminus                                                                                                                                                                                                                                                                      |
| Preparation and Storage                        | Long term: -70 degree C; Short term: +4 degree C                                                                                                                                                                                                                                |



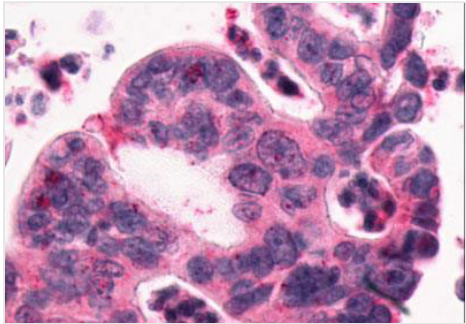
**Transfection Control**  
Anti-GPR1 antibody immunocytochemistry (ICC) staining of untransfected HEK293 human embryonic kidney cells.



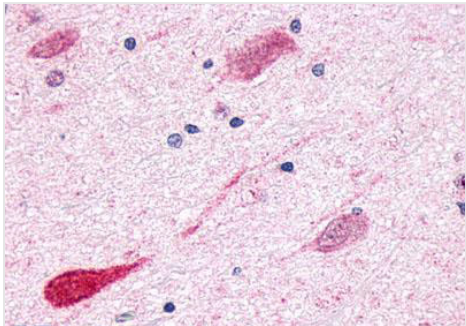
**Transfection Control**  
Anti-GPR1 antibody immunocytochemistry (ICC) staining of HEK293 human embryonic kidney cells transfected with GPR1.



**IHC (Immunohistochemistry)**  
Anti-GPR1 antibody IHC of human Lung, Adenocarcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**IHC (Immunohistochemistry)**  
Anti-GPR1 antibody IHC of human Pancreas, Carcinoma. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



**IHC (Immunohistochemistry)**  
Anti-GPR1 antibody IHC of human brain, neurons and glia. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GPR1 antibody | GPR1 is an Orphan-A GPCR with an unknown ligand. GPR1 was identified in a search for genes responsible for mediating brain reward and may have a role in drug addiction. It has also been shown to act as an HIV coreceptor in kidney mesangial cells (Tokizawa et al., 2000). |
| Product Categories/Family for anti-GPR1 antibody   | Family: GPCR; Subfamily: Orphan-A                                                                                                                                                                                                                                              |

NCBI AND UNIPROT INFORMATION

|             |          |
|-------------|----------|
| NCBI GI #   | 36951012 |
| NCBI GeneID | 2825     |

|                                  |                                                                                                                            |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI Accession #                 | <a href="#">NP_005270.2</a>                                                                                                |
| NCBI GenBank Nucleotide #        | <a href="#">NM_005279.3</a>                                                                                                |
| UniProt Accession #              | <a href="#">P46091</a> ; <a href="#">Q53TR9</a> ; <a href="#">Q6NVX4</a> ; <a href="#">A5JUU6</a> ; <a href="#">A8K4L1</a> |
| Molecular Weight                 | 41,431 Da                                                                                                                  |
| NCBI Official Full Name          | G-protein coupled receptor 1                                                                                               |
| NCBI Official Synonym Full Names | G protein-coupled receptor 1                                                                                               |
| NCBI Official Symbol             | GPR1                                                                                                                       |
| NCBI Protein Information         | G-protein coupled receptor 1; probable G-protein coupled receptor 1                                                        |
| UniProt Protein Name             | G-protein coupled receptor 1                                                                                               |
| UniProt Gene Name                | <b>GPR1</b>                                                                                                                |
| UniProt Entry Name               | GPR1_HUMAN                                                                                                                 |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gpr1-antibody-immunohistochemistry-elisa/51517>