

## Goat GLRA1/Glycine Receptor Alpha 1 Polyclonal Antibody | anti-GLRA1 antibody

Anti-GLRA1/Glycine Receptor Alpha 1 Antibody (aa373-386)

| CATALOG # | HOST | REACTIVITY                                                                    | APPLICATIONS                              |
|-----------|------|-------------------------------------------------------------------------------|-------------------------------------------|
| AAA162275 | Goat | RatPredicted: Chicken, Bovine, Rabbit, Mouse, Dog, Hamster, Pig, Horse, Human | Western Blot, Immunohistochemistry, ELISA |

### PRODUCT SYNONYMS

GLRA1/Glycine Receptor Alpha 1; Polyclonal Antibody; Anti-GLRA1/Glycine Receptor Alpha 1 Antibody (aa373-386); Goat Polyclonal to Rat GLRA1/Glycine Receptor Alpha 1; GLRA1; Alpha 1 glycine Receptor; GlyR alpha 1; GLYRA1; SPD; STHE; Spasmodic; Glycine receptor alpha 1; Glycine receptor; alpha 1; HKPX1; Strychnine binding subunit; anti-GLRA1 antibody

### PRODUCT SPECIFICATIONS

|                                                 |                                                                                                                                                                                                                                                                                 |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                            | Goat                                                                                                                                                                                                                                                                            |
| Reactivity                                      | Rat<br>Predicted: Chicken, Bovine, Rabbit, Mouse, Dog, Hamster, Pig, Horse, Human                                                                                                                                                                                               |
| Clonality                                       | Polyclonal                                                                                                                                                                                                                                                                      |
| Specificity                                     | Human GLRA1. The immunizing peptide represents part of the cytoplasmic domain. The antibody is not expected to cross-react with other glycine receptor alpha proteins.                                                                                                          |
| Purity/Purification                             | Immunoaffinity Purified                                                                                                                                                                                                                                                         |
| Form/Format                                     | Tris-buffered saline, pH 7.3, 0.5% BSA, 0.02% sodium azide                                                                                                                                                                                                                      |
| Sequence Length                                 | 449                                                                                                                                                                                                                                                                             |
| Applicable Applications for anti-GLRA1 antibody | WB (Western Blot), IHC (Immunohistochemistry), ELISA                                                                                                                                                                                                                            |
| Immunogen                                       | Synthetic peptide CLQAKDGISVKGAN from an internal region of rat GLRA1 (NP_037265.1). Percent identity by BLAST analysis: Human, Hamster, Panda, Dog, Cat, Bovine, Horse, Rabbit, Pig, Opossum, Turkey, Zebra finch, Chicken, Lizard (100%); Galago, Guinea pig, Platypus (93%). |
| Conjugation                                     | Unconjugated                                                                                                                                                                                                                                                                    |
| Epitope                                         | aa373-386                                                                                                                                                                                                                                                                       |
| Preparation and Storage                         | Store at -20 degree C.<br>Avoid freeze-thaw cycles.                                                                                                                                                                                                                             |

### IMAGES



#### WB (Western Blot)

GLRA1 antibody (0.3 ug/ml) staining of Mouse Testis lysate (35 ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



#### IHC (Immunohistochemistry)

Anti-GLRA1/Glycine Receptor Alpha 1 antibody IHC staining of human kidney. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml.



#### IHC (Immunohistochemistry)

Anti-GLRA1/Glycine Receptor Alpha 1 antibody IHC staining of human lung.  
Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

### ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GLRA1 antibody | important inhibitory transmitter in the brainstem and spinal cord. Glycine receptors are members of the ligand-gated ion channel family (LGICs) that mediate rapid chemical neurotransmission. the binding of glycine to its receptor produces a large increase in chloride conductance, which causes membrane hyperpolarization. Glycine receptors are anchored at inhibitory chemical synapses by a cytoplasmic protein, gephyrin. |
| Product Categories/Family for anti-GLRA1 antibody   | <a href="#">Ion Channel</a> ; <a href="#">Glycine receptor</a>                                                                                                                                                                                                                                                                                                                                                                       |

### NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                   |
|----------------------------------|---------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 119372310                                                                                         |
| NCBI GeneID                      | 2741                                                                                              |
| NCBI Accession #                 | <a href="#">NP_000162.2</a>                                                                       |
| NCBI GenBank Nucleotide #        | <a href="#">NM_000171.3</a>                                                                       |
| UniProt Accession #              | <a href="#">P23415</a> ; <a href="#">Q14C77</a> ; <a href="#">Q6DJV9</a> ; <a href="#">B2R6T3</a> |
| Molecular Weight                 | 51,693 Da                                                                                         |
| NCBI Official Full Name          | glycine receptor subunit alpha-1 isoform 2                                                        |
| NCBI Official Synonym Full Names | glycine receptor alpha 1                                                                          |
| NCBI Official Symbol             | GLRA1                                                                                             |
| NCBI Official Synonym Symbols    | STHE; HKPX1                                                                                       |
| NCBI Protein Information         | glycine receptor subunit alpha-1                                                                  |
| UniProt Protein Name             | Glycine receptor subunit alpha-1                                                                  |
| UniProt Gene Name                | <b>GLRA1</b>                                                                                      |

**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/glra1-glycine-receptor-alpha-1-antibody-western-blot-immunohistochemistry-elisa/162275>