



# Anti-GABRA5 monoclonal antibody, clone FQS23373 (DCABH-6098)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |                                                                                                                                                                                            |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Rabbit monoclonal to GABA A Receptor alpha 5                                                                                                                                               |
| <b>Antigen Description</b> | GABA, the major inhibitory neurotransmitter in the vertebrate brain, mediates neuronal inhibition by binding to the GABA/benzodiazepine receptor and opening an integral chloride channel. |
| <b>Immunogen</b>           | Recombinant fragment within Human GABA A Receptor alpha 5. The exact sequence is proprietary. Database link: P31644                                                                        |
| <b>Isotype</b>             | IgG                                                                                                                                                                                        |
| <b>Source/Host</b>         | Rabbit                                                                                                                                                                                     |
| <b>Species Reactivity</b>  | Mouse, Rat, Human                                                                                                                                                                          |
| <b>Clone</b>               | FQS23373                                                                                                                                                                                   |
| <b>Conjugate</b>           | Unconjugated                                                                                                                                                                               |
| <b>Applications</b>        | WB, ICC/IF                                                                                                                                                                                 |
| <b>Positive Control</b>    | Human fetal brain, SH-SY5Y, A673 and 293T lysates; 293T cells                                                                                                                              |
| <b>Format</b>              | Liquid                                                                                                                                                                                     |
| <b>Size</b>                | 100 µl                                                                                                                                                                                     |
| <b>Buffer</b>              | pH: 7.2; Preservative: 0.01% Sodium azide; Constituents: 50% Glycerol, 49% PBS, 0.05% BSA                                                                                                  |
| <b>Preservative</b>        | 0.01% Sodium Azide                                                                                                                                                                         |

|                |                                                                                                                   |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b> | Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| <b>Ship</b>    | Shipped at 4°C.                                                                                                   |

## GENE INFORMATION

|                            |                                                                                                                                                                                                                                                                                                                                                                               |
|----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>           | <a href="#">GABRA5 gamma-aminobutyric acid (GABA) A receptor, alpha 5 [ Homo sapiens ]</a>                                                                                                                                                                                                                                                                                    |
| <b>Official Symbol</b>     | GABRA5                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Synonyms</b>            | GABRA5; gamma-aminobutyric acid (GABA) A receptor, alpha 5; gamma-aminobutyric acid receptor subunit alpha-5; GABA(A) receptor; alpha 5; GABA(A) receptor, alpha 5; GABA(A) receptor subunit alpha-5; MGC138184;                                                                                                                                                              |
| <b>Entrez Gene ID</b>      | <a href="#">2558</a>                                                                                                                                                                                                                                                                                                                                                          |
| <b>Protein Refseq</b>      | <a href="#">NP_000801</a>                                                                                                                                                                                                                                                                                                                                                     |
| <b>UniProt ID</b>          | <a href="#">P31644</a>                                                                                                                                                                                                                                                                                                                                                        |
| <b>Chromosome Location</b> | 15q12                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | GABA A receptor activation, organism-specific biosystem; GABA receptor activation, organism-specific biosystem; GABAergic synapse, organism-specific biosystem; GABAergic synapse, conserved biosystem; Ion channel transport, organism-specific biosystem; Ligand-gated ion channel transport, organism-specific biosystem; Morphine addiction, organism-specific biosystem. |
| <b>Function</b>            | GABA-A receptor activity; chloride channel activity; extracellular ligand-gated ion channel activity; ion channel activity; receptor activity; transporter activity;                                                                                                                                                                                                          |