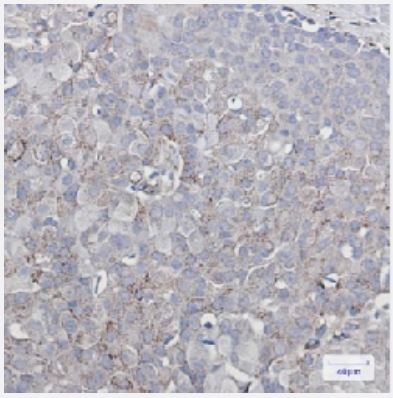
RecomAb™

GRIA2 recombinant monoclonal antibody, clone R06-6E2

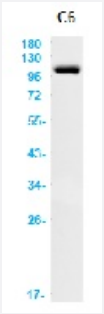
Catalog # RAB01686 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human breast cancer with Ionotropic Glutamate receptor 2 recombinant monoclonal antibody, clone R06-6E2 (Cat # RAB01686).



Western Blot

Western blot analysis of Ionotropic Glutamate receptor 2 in C6 lysates using human Ionotropic Glutamate receptor 2 recombinant monoclonal antibody, clone R06-6E2 (Cat # RAB01686).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Ionotropic Glutamate receptor 2.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Ionotropic Glutamate receptor 2
Theoretical MW (kDa)	Calculated MW: 99 kD

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (1:50-1:100) Immunoprecipitation (1:20) Western Blot (1:500-1:1,000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C for short term. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemistry (Formalin-fixed paraffin-embedded sections) of Human breast cancer with Ionotropic Glutamate receptor 2 recombinant monoclonal antibody, clone R06-6E2 (Cat # RAB01686).

- Immunoprecipitation

- Western Blot

  Western blot analysis of Ionotropic Glutamate receptor 2 in C6 lysates using human Ionotropic Glutamate receptor 2 recombinant monoclonal antibody, clone R06-6E2 (Cat # RAB01686).

Gene Info — GRIA2

Entrez GeneID	2891
Protein Accession#	P42262
Gene Name	GRIA2
Gene Alias	GLUR2, GLURB, GluR-K2, HBGR2

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Gene Description	glutamate receptor, ionotropic, AMPA 2
Omim ID	138247
Gene Ontology	Hyperlink
Gene Summary	Glutamate receptors are the predominant excitatory neurotransmitter receptors in the mammalian brain and are activated in a variety of normal neurophysiologic processes. This gene product belo ngs to a family of glutamate receptors that are sensitive to alpha-amino-3-hydroxy-5-methyl-4-isox azole propionate (AMPA), and function as ligand-activated cation channels. These channels are a ssembled from 4 related subunits, GRIA1-4. The subunit encoded by this gene (GRIA2) is subject to RNA editing (CAG->CGG; Q->R) within the second transmembrane domain, which is thought t o render the channel impermeable to Ca(2+). Human and animal studies suggest that pre-mRNA editing is essential for brain function, and defective GRIA2 RNA editing at the Q/R site may be rel evant to amyotrophic lateral sclerosis (ALS) etiology. Alternative splicing, resulting in transcript va riants encoding different isoforms, (including the flip and flop isoforms that vary in their signal trans duction properties), has been noted for this gene. [provided by RefSeq
Other Designations	OTTHUMP00000165324|gluR-B|glutamate receptor 2

Pathway

- Amyotrophic lateral sclerosis (ALS)
- Long-term depression
- Long-term potentiation
- Neuroactive ligand-receptor interaction

Disease

- Anorexia Nervosa
- Bipolar Disorder
- Bulimia
- Cognition
- Genetic Predisposition to Disease
- Mental Disorders
- Recurrence
- Schizophrenia

Copyright © 2023 Abnova Corporation. All Rights Reserved.

- Schizophrenic Psychology
- Weight Gain

Copyright © 2023 Abnova Corporation. All Rights Reserved.