Rabbit GABA A Receptor alpha 5 Polyclonal Antibody | anti-GABRA5 antibody

GABA A Receptor alpha 5 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA31202	**Rabbit**	**Human, Mouse, RatPredicted Reactivity: Pig(88%), Bovine(88%), Horse(88%), Sheep(88%), Rabbit(100%), Dog(88%), Chicken(100%)**	**Immunofluorescence, Immunocytochemistry, ELISA**

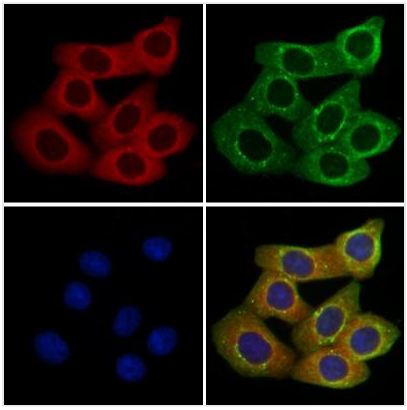
PRODUCT SYNONYMS

GABA A Receptor alpha 5; Polyclonal Antibody; GABA A Receptor alpha 5 Antibody; GAA 5; GAA5; GABA(A) receptor subunit alpha-5; GABRA 5; Gabra5; Gamma aminobutyric acid GABA A receptor alpha 5; Gamma aminobutyric acid GABA A receptor alpha 5 precursor; Gamma aminobutyric acid receptor alpha 5 subunit precursor GABA A receptor; Gamma-aminobutyric acid receptor subunit alpha-5; GBRA5_HUMAN; GC138184; anti-GABRA5 antibody

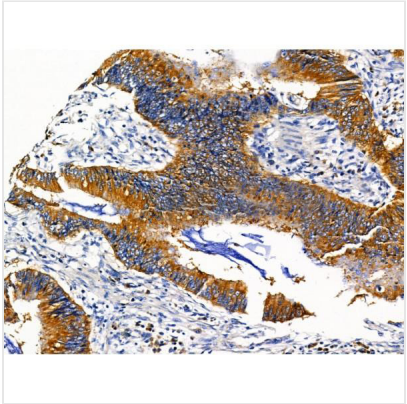
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Pig(88%), Bovine(88%), Horse(88%), Sheep(88%), Rabbit(100%), Dog(88%), Chicken(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	GABA A Receptor alpha 5 Antibody detects endogenous levels of total GABA A Receptor alpha 5.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	462
Applicable Applications for anti-GABRA5 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), ELISA
Application Notes	IF: 1:100-1:500 ICC: 1:100-1:500 WB: 1:500-1:2000 IHC: 1:50-1:200 ELISA(peptide): 1:20,000-1:40,000
Immunogen	A synthesized peptide derived from human GABA A Receptor alpha 5, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

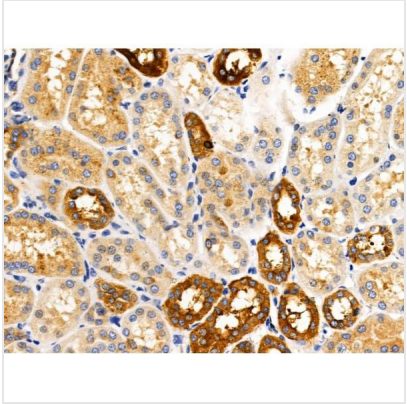
IMAGES



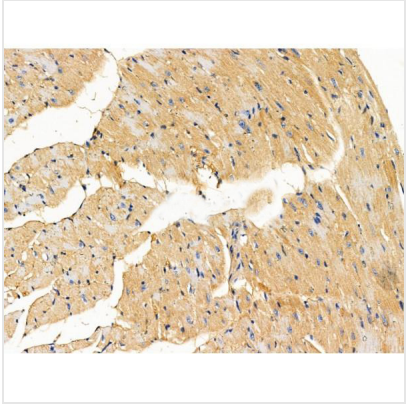
IF (Immunofluorescence)
AAA31202 staining Hela cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25Â°C. Samples were then incubated with primary Ab(AAA31202 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Â°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody.The nuclear counter stain is DAPI(blue).



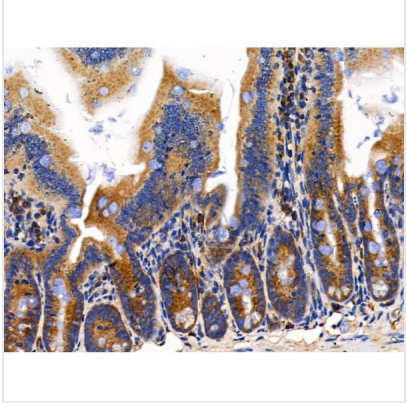
IHC (Immunohistchemistry-Paraffin)
AAA31202 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



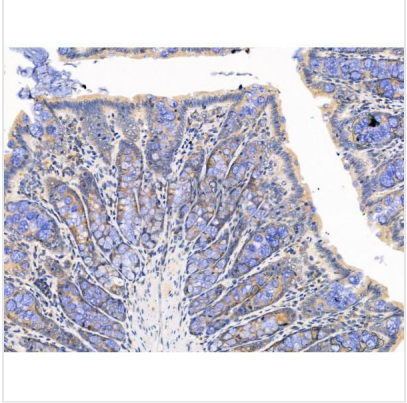
IHC (Immunohistochemistry-Paraffin)
AAA31202 at 1/100 staining Human kidney cancer and adjacent normal tissues by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31202 at 1/100 staining Mouse heart tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31202 at 1/100 staining Mouse colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry-Paraffin)
AAA31202 at 1/100 staining Rat colorectal tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-GABRA5 antibody	Function: 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. Subcellular Location: Cell junction>Synapse>Postsynaptic cell membrane>Multi-pass membrane protein. Cell membrane>Multi-pass membrane protein. Subunit Structure: Generally pentameric. There are five types of GABA(A) receptor chains: alpha, beta, gamma, delta, and rho. Similarity: Belongs to the ligand-gated ion channel (TC 1.A.9) family. Gamma-aminobutyric acid receptor (TC 1.A.9.5) subfamily. GABRA5 sub-subfamily.

NCBI AND UNIPROT INFORMATION

NCBI GI #	259013560
NCBI GeneID	2558
NCBI Accession #	NP_001158509.1
NCBI GenBank Nucleotide #	NP_001158509.1
UniProt Accession #	P31644
Molecular Weight	Observed Molecular Weight: (Observed)52kD. Predicted Molecular Weight: (Calculated)52kDa.
NCBI Official Full Name	gamma-aminobutyric acid receptor subunit alpha-5
NCBI Official Synonym Full Names	gamma-aminobutyric acid type A receptor subunit alpha5
NCBI Official Symbol	GABRA5
NCBI Official Synonym Symbols	EIEE79
NCBI Protein Information	gamma-aminobutyric acid receptor subunit alpha-5
UniProt Protein Name	Gamma-aminobutyric acid receptor subunit alpha-5
UniProt Gene Name	**GABRA5**
UniProt Entry Name	GBRA5_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/gaba-a-receptor-alpha-5-antibody-immunofluorescence-immunocytochemistry-elisa/31202