Datasheet for ABIN6736391

anti-GRIK2 antibody (AA 652-701)

2 Images

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Overview

Quantity:	100 µL
Target:	GRIK2
Binding Specificity:	AA 652-701
Reactivity:	Human, Mouse, Rat, Dog, Cow, Rabbit, Guinea Pig, Horse, Pig, Chicken, Bat, Monkey, Xenopus laevis
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic peptide located between aa652-701 of human GRIK2 (Q96KS6, NP_786944). Percent identity by BLAST analysis: Human, Chimpanzee, Gorilla, Gibbon, Monkey, Galago, Marmoset, Mouse, Rat, Elephant, Panda, Dog, Bovine, Bat, Rabbit, Horse, Pig, Opossum, Guinea pig, Turkey, Zebra finch, Chicken, Platypus, Lizard, Xenopus (100%), Stickleback (85%), Trout, Zebrafish (84%). Type of Immunogen: Synthetic peptide
Specificity:	Human GRIK2
Predicted Reactivity:	Percent identity by BLAST analysis: Human, Mouse, Rat, Dog, Bovine, Rabbit, Horse, Pig, Guinea pig, Chicken, Xenopus (100%).

Product Details

Purification:	Immunoaffinity purified

Target Details

Target:	GRIK2
Alternative Name:	GRIK2 / GLUR6 (GRIK2 Products)
Background:	Name/Gene ID: GRIK2 Subfamily: Glutamate receptor - ionotropic (NMDA receptor) Family: Ion Channel Synonyms: GRIK2, BA487F5.1, GluR-6, Glur5-7, GLUR6, Glutamate receptor form A, Glutamate receptor form B, EAA4, Glutamate receptor form C, GLR6, GLUK6, Glutamate receptor form E, MRT6, GluK2, Glutamate receptor 6, Glutamate receptor form D
Gene ID:	2898
NCBI Accession:	NP_786944
UniProt:	Q13002
Pathways:	Synaptic Membrane, Regulation of long-term Neuronal Synaptic Plasticity

Application Details

Application Notes:	Approved: IHC, IHC-P (5 µg/mL), WB (0.12 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 5 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

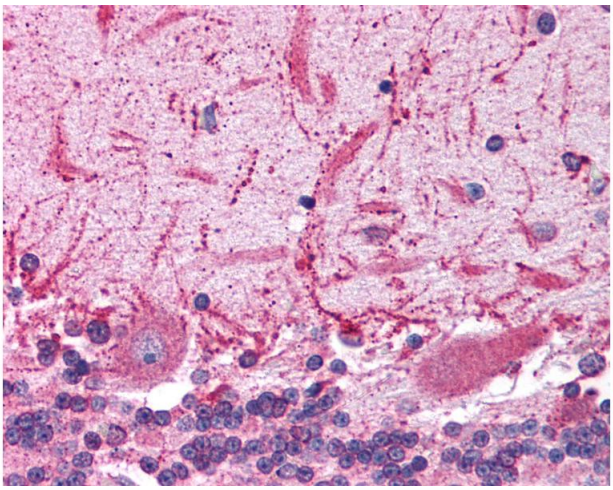
Handling

Format:	Lyophilized

Handling

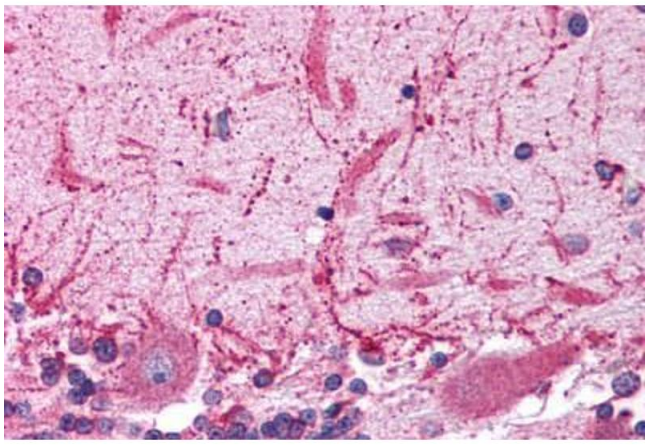
Reconstitution:	After adding water, will consist of PBS buffer with 2 % sucrose
Concentration:	Lot specific
Buffer:	Lyophilized from PBS with 2 % sucrose
Handling Advice:	Avoid repeat freeze-thaw cycles.
Storage:	4 °C,-20 °C
Storage Comment:	Long term: -20°C, the use of 50% glycerol is recommended if storing aliquots in -20°C for long term use (up to 1 year) Short term (less than 1 week): 4°C. Avoid freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. Anti-GRIK2 antibody IHC of human brain, cerebellum. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval. Antibody concentration 5 ug/ml. This image was taken for the unconjugated form of this product ...



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Human Brain, Cerebellum (formalin-fixed, paraffin-embedded) stained with GRIK2 antibody ABIN214767 at 5 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.