



NMDAε3 rabbit pAb

Cat No.:ES5660

For research use only

Overview

Product Name	NMDAε3 rabbit pAb
Host species	Rabbit
Applications	IHC;IF;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human NMDAepsilon3. AA range:937-986
Specificity	NMDAε3 Polyclonal Antibody detects endogenous levels of NMDAε3 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Glutamate [NMDA] receptor subunit epsilon-3
Gene Name	GRIN2C
Cellular localization	Cell membrane ; Multi-pass membrane protein . Cell junction, synapse, postsynaptic cell membrane; Multi-pass membrane protein.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	2905
Human Swiss-Prot Number	Q14957
Alternative Names	GRIN2C; NMDAR2C; Glutamate [NMDA] receptor subunit epsilon-3; N-methyl D-aspartate receptor subtype 2C; NMDAR2C; NR2C
Background	This gene encodes a subunit of the N-methyl-D-aspartate (NMDA) receptor, which is a subtype of ionotropic glutamate receptor. NMDA





receptors are found in the central nervous system, are permeable to cations and have an important role in physiological processes such as learning, memory, and synaptic development. The receptor is a tetramer of different subunits (typically heterodimer of subunit 1 with one or more of subunits 2A-D), forming a channel that is permeable to calcium, potassium, and sodium, and whose properties are determined by subunit composition. Alterations in the subunit composition of the receptor are associated with pathophysiological conditions such as Parkinson's disease, Alzheimer's disease, depression, and schizophrenia. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013],

Immunohistochemistry analysis of NMDAε3 antibody in paraffin-embedded human brain tissue.

