Anti-GRIN1 antibody

Cat. No.	ml260671
Package	25 µl/100 µl/200 µl
Storage	-20°C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

Product overview

Description	Anti-GRIN1 rabbit polyclonal antibody
Applications	ELISA, IHC
Immunogen	Synthetic peptide of human GRIN1
Reactivity	Human, Mouse, Rat
Content	0.4 mg/ml
Host species	Rabbit
Ig class	Immunogen-specific rabbit IgG
Purification	Antigen affinity purification

Target information

Symbol	GRIN1
Full name	glutamate receptor, ionotropic, N-methyl D-aspartate 1
Synonyms	NR1, MRD8, GluN1, NMDA1, NMDAR1
Swissprot	Q05586

Target Background

The protein encoded by this gene is a critical subunit of N-methyl-D-aspartate receptors, members of the glutamate receptor channel superfamily which are heteromeric protein complexes with multiple subunits arranged to form a ligand-gated ion channel. These subunits play a key role in the plasticity of synapses, which is believed to underlie memory and learning. Cell-specific factors are thought to control expression of different isoforms, possibly contributing to the functional diversity of the subunits. Alternatively spliced transcript variants have been described.
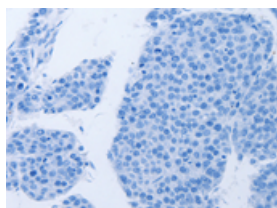
Applications

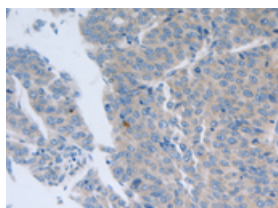### Immunohistochemistry

Predicted cell location: Cytoplasm

Positive control: Human liver cancer

Recommended dilution: 25-100

Predicted cell location: Cytoplasm

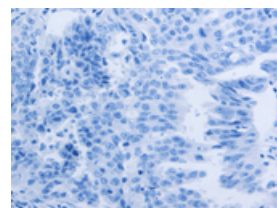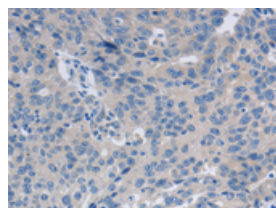Positive control: Human ovarian cancer

Recommended dilution: 25-100

The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using ml260671(GRIN1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

The image on the left is immunohistochemistry of paraffin-embedded Human ovarian cancer tissue using ml260671(GRIN1 Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: ×200)

ELISA

Recommended dilution: 2000-5000