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# Product datasheet for TA371140

## NMDAR2A (GRIN2A) Rabbit Polyclonal Antibody

### Product data:

| | |
|---|---|
| **Product Type:** | Primary Antibodies |
| **Applications:** | IHC |
| **Recommended Dilution:** | IHC: 25-100<br>Positive control: Human esophagus cancer<br>Predicted cell location: Cell membrane |
| **Reactivity:** | Human, Mouse, Rat |
| **Host:** | Rabbit |
| **Isotype:** | IgG |
| **Clonality:** | Polyclonal |
| **Immunogen:** | Synthetic peptide of human GRIN2A |
| **Formulation:** | pH7.4 PBS, 0.05% NaN3, 40% Glycerol |
| **Concentration:** | lot specific |
| **Purification:** | Antigen affinity purification |
| **Conjugation:** | Unconjugated |
| **Storage:** | Store at -20°C. |
| **Stability:** | 1 year |
| **Gene Name:** | glutamate ionotropic receptor NMDA type subunit 2A |
| **Database Link:** | Entrez Gene 2903 Human<br>Q12879 |
| **Background:** | This gene encodes a member of the glutamate-gated ion channel protein family. The encoded protein is an N-methyl-D-aspartate (NMDA) receptor subunit. NMDA receptors are both ligand-gated and voltage-dependent, and are involved in long-term potentiation, an activity-dependent increase in the efficiency of synaptic transmission thought to underlie certain kinds of memory and learning. These receptors are permeable to calcium ions, and activation results in a calcium influx into post-synaptic cells, which results in the activation of several signaling cascades. Disruption of this gene is associated with focal epilepsy and speech disorder with or without mental retardation. Alternative splicing results in multiple transcript variants. |

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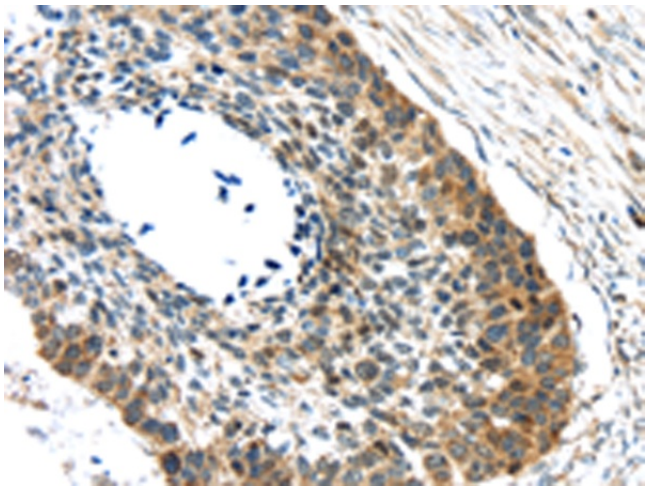
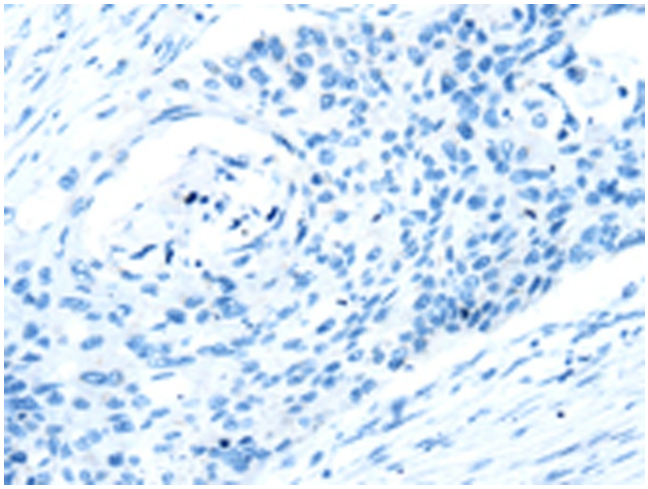
**Synonyms:** hNR2A; NMDAR2A; NR2A; OTTHUMP00000160135; OTTHUMP00000174531

## Product images:



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA371140 (GRIN2A Antibody) at dilution 1/30 (Original magnification: ×200)



Immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using TA371140 (GRIN2A Antibody) at dilution 1/30, treated with synthetic peptide. (Original magnification: ×200)