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# Rabbit Anti-Nova1 antibody

SL11324R

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| **Product Name:** | Nova1 |
| **Chinese Name:** | 神经TumourNova1抗原抗体 |
| **Alias:** | Neuro oncological ventral antigen 1; Neuro-oncological ventral antigen 1; NOVA 1; Nova-1; Nova1; NOVA1_HUMAN; Onconeural ventral antigen 1; Paraneoplastic Ri antigen; RNA binding protein Nova 1; RNA-binding protein Nova-1; Ventral neuron specific protein 1; Ventral neuron-specific protein 1. |
| **Organism Species:** | Rabbit |
| **Clonality:** | Polyclonal |
| **React Species:** | Human,Mouse,Rat,Chicken,Cow, |
| **Applications:** | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500（Paraffin sections need antigen repair）<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight:** | 52kDa |
| **Cellular localization:** | The nucleus |
| **Form:** | Lyophilized or Liquid |
| **Concentration:** | 1mg/ml |
| **immunogen:** | KLH conjugated synthetic peptide derived from human Nova1:411-510/510 |
| **Lsotype:** | IgG |
| **Purification:** | affinity purified by Protein A |
| **Storage Buffer:** | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol. |
| **Storage:** | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **PubMed:** | PubMed |
| **Product Detail:** | Nova-1 and Nova-2 are members of a superfamily of protein regulators of RNA metabolism in neurons. Both are nuclear RNA binding proteins with K homology motifs, conserved protein sequences which bind to RNA (1,2). Nova proteins, normally sequestered in the central nervous system, are expressed by systemic tumors in patients |

with the autoimmune disorder paraneoplastic opsoclonus-myoclonus ataxia (POMA) (3,4). Nova-1 is expressed in the hindbrain and ventral spinal cord and Nova-2 is expressed in the neocortex and hippocampus (4). Nova-1 is necessary for regulating neuron-specific alternative splicing of the glycine receptor Alpha2 pre-mRNA (5).

**Function:**
May regulate RNA splicing or metabolism in a specific subset of developing neurons.

**Subunit:**
Interacts with PTBP2; the interaction is direct (By similarity).

**Subcellular Location:**
Nucleus.

**Tissue Specificity:**
Brain.

**Similarity:**
Contains 3 KH domains.

**SWISS:**
P51513

**Gene ID:**
4857

**Database links:**

Entrez Gene: 4857Human

Entrez Gene: 664883Mouse

Entrez Gene: 298992Rat

Omim: 602157Human

SwissProt: Q2PFW9Cynomolgus monkey

SwissProt: P51513Human

SwissProt: Q9JKN6Mouse

SwissProt: Q80WA4Rat

**Important Note:**
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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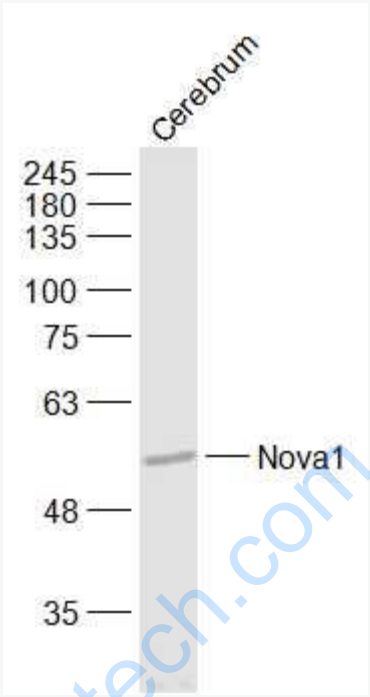
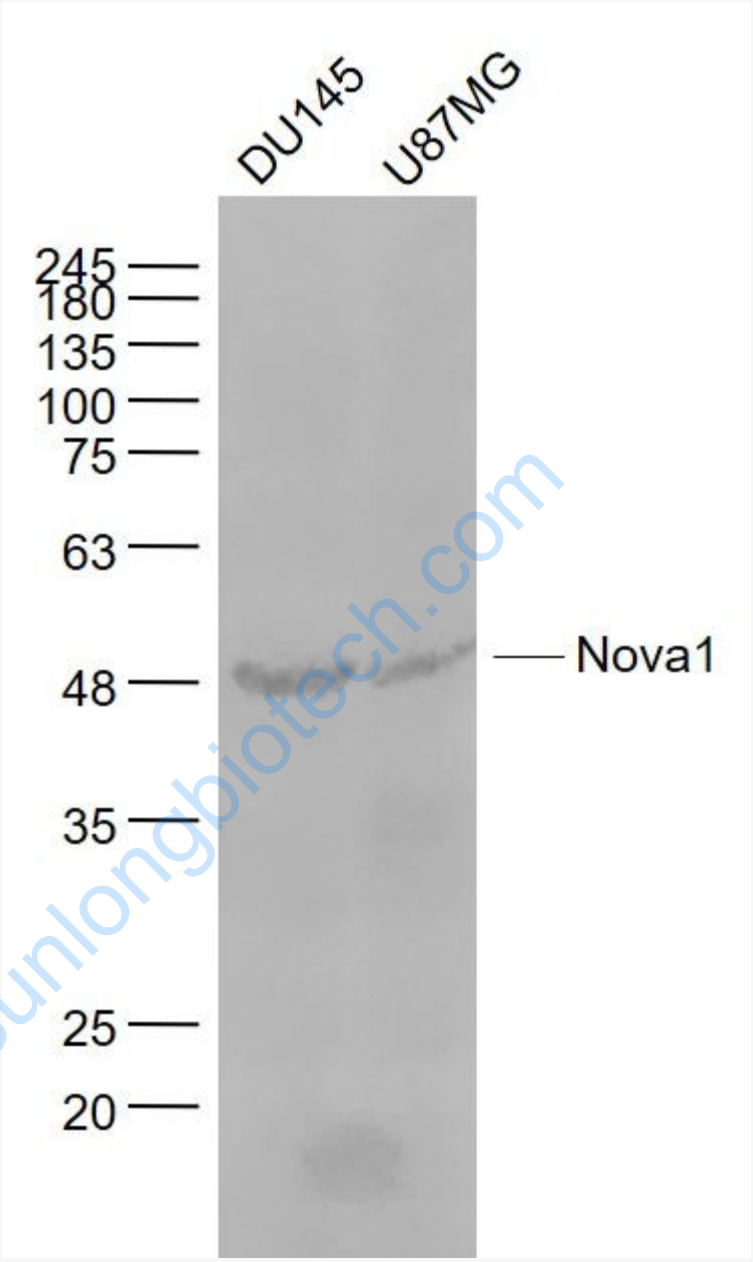
| **Picture:** |  <br>Sample:<br>Cerebrum (Mouse) Lysate at 40 ug<br>Cerebrum (Rat) Lysate at 40 ug<br>Primary: Anti-Nova1 (SL11324R) at 1/1000 dilution<br>Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution<br>Predicted band size: 52 kD<br>Observed band size: 52 kD |






Sample:

DU145(Human) Cell Lysate at 30 ug

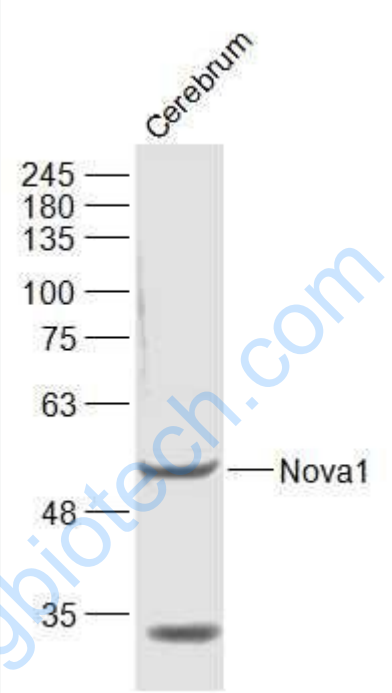
U87MG(Human) Cell Lysate at 30 ug

Primary: Anti- Nova1 (SL11324R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 50 kD




Sample:

Cerebrum (Mouse) Lysate at 40 ug

Primary: Anti-Nova1 (SL11324R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 52 kD

Observed band size: 52 kD