

# Anti-Nova1 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

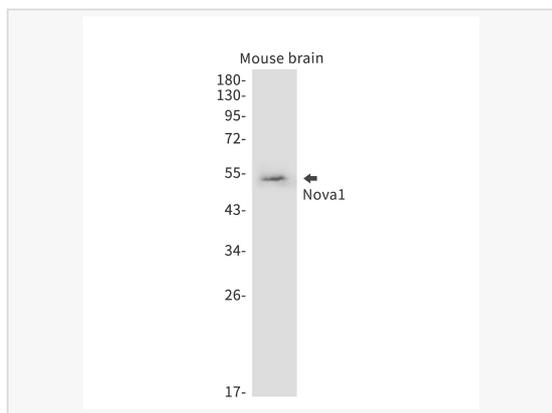
Catalog # R011627

## Product Information

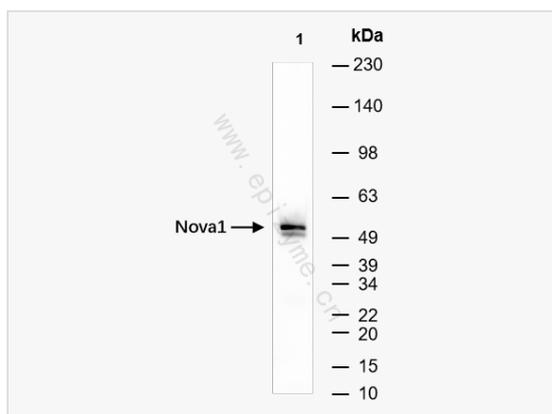
|             |   |
|-------------|---|
| Application | WB, IHC-P/IF (Tissue-P), ELISA  |
| Reactivity  | Mouse, Rat  |
| Dilution    | WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200   |
| Host        | Rabbit  |
| Clonality   | Monoclonal  |
| Clone No.   | 88K87L95  |
| Isotype     | IgG   |
| Label       | Unconjugated  |
| Immunogen   | A synthesized peptide derived from human Nova1  |
| Format      | Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.                     |
| Storage     | Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage. |
| Precautions | Anti-Nova1 Rabbit mAb [88K87L95] is for research use only and not for use in diagnostic or therapeutic procedures.          |

## Protein Information

|                   |   |
|-------------------|---|
| Synonyms          | 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.  |
| Calculated MW     | Calculated MW: 52 kDa; Observed MW: 52 kDa  |
| Uniprot ID        | P51513  |
| Gene ID           | 4857  |
| Background        | This gene encodes a neuron-specific RNA-binding protein, a member of the Nova family of paraneoplastic disease antigens, that is recognized and inhibited by paraneoplastic antibodies. These antibodies are found in the sera of patients with paraneoplastic opsoclonus-ataxia, breast cancer, and small cell lung cancer. Alternatively spliced transcripts encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008] |
| Cellular Location | Nucleus.  |
| Tissue Location   | Brain.  |



Western blot analysis of Nova1 in rat lung lysates using Nova1 antibody.



Western Blot - Anti-Nova1 Rabbit mAb [88K87L95]

All lanes: R011627 at 1:1,000 dilution

Lane 1: Mouse brain whole tissue lysates

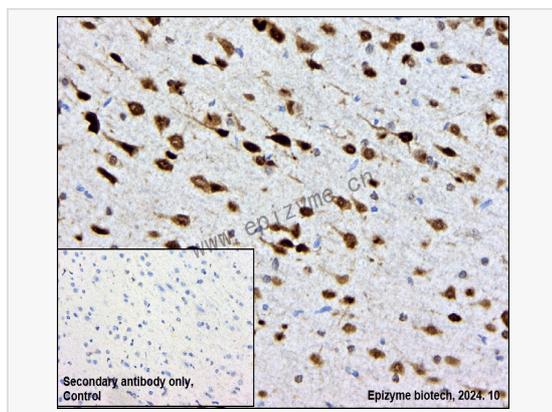
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 52 kDa

Observed band size: 52 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Nova1 Rabbit mAb [88K87L95]

Sample: Paraformaldehyde-fixed, paraffin embedded rat brain tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R011627 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution  
DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.