



# Rabbit Anti-Human NOVA1 Polyclonal Antibody (CABT-L2227)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                           |  |
|---------------------------|--|
| <b>Product Overview</b>   | Polyclonal Antibody to Neuro Oncological Ventral Antigen 1 (Knockout Validated)  |
| <b>Specificity</b>        | The antibody is a rabbit polyclonal antibody raised against NOVA1. It has been selected for its ability to recognize NOVA1 in immunohistochemical staining and western blotting. |
| <b>Target</b>             | NOVA1  |
| <b>Immunogen</b>          | Recombinant fragment corresponding to human NOVA1 (Ala295~Gly510)  |
| <b>Isotype</b>            | IgG  |
| <b>Source/Host</b>        | Rabbit   |
| <b>Species Reactivity</b> | Human  |
| <b>Purification</b>       | Antigen-specific affinity chromatography followed by Protein A affinity chromatography   |
| <b>Conjugate</b>          | Unconjugated   |
| <b>Applications</b>       | WB   |
| <b>Format</b>             | Liquid   |
| <b>Concentration</b>      | Lot specific   |
| <b>Size</b>               | 200 µg   |
| <b>Buffer</b>             | Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.   |
| <b>Preservative</b>       | 0.05% Proclin-300  |

|                |   |
|----------------|---|
| <b>Storage</b> | Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months. |
| <b>Ship</b>    | 4°C with ice bags   |

## BACKGROUND

**Introduction** 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]

**Keywords** Onconeural ventral antigen 1;Paraneoplastic Ri antigen;Ventral neuron-specific protein 1;RNA-binding protein Nova-1

## GENE INFORMATION

|                            |   |
|----------------------------|---|
| <b>Gene Name</b>           | NOVA1 neuro-oncological ventral antigen 1 [ Homo sapiens (human) ]  |
| <b>Official Symbol</b>     | NOVA1   |
| <b>Synonyms</b>            | NOVA1; neuro-oncological ventral antigen 1; Nova-1; RNA-binding protein Nova-1; paraneoplastic Ri antigen; onconeural ventral antigen 1; ventral neuron-specific protein 1; |
| <b>Entrez Gene ID</b>      | <a href="#">4857</a>  |
| <b>Protein Refseq</b>      | NP_002506   |
| <b>UniProt ID</b>          | <a href="#">P51513</a>  |
| <b>Chromosome Location</b> | 14q   |
| <b>Function</b>            | RNA binding; mRNA binding; poly(A) RNA binding;   |