



## International Office

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**Research Use Only. Not for  
diagnostic or therapeutic use.**

## EB08387 - Goat Anti-NOVA1 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** NOVA1, neuro-oncological ventral antigen 1, Nova-1, paraneoplastic Ri antigen, ventral neuron-specific protein 1

**Official Symbol:** NOVA1

**Accession Number(s):** NP\_002506.2 ; NP\_006480.2 ; NP\_006482.1; NP\_001353321.1; NP\_001353322.1; NP\_001353323.1

**Human GeneID(s):** [4857](#)

**Important Comments:** This antibody is expected to recognise all reported isoforms listed.

### Immunogen

Peptide with sequence C-REMPQNVAKTEPVS, from the internal region of the protein sequence according to NP\_002506.2 ; NP\_006480.2 ; NP\_006482.1; NP\_001353321.1; NP\_001353322.1; NP\_001353323.1.

Please note the [peptide](#) is available for sale.

### Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

### Applications Tested

**Peptide ELISA:** antibody detection limit dilution 1:64000.

**Western blot:** Approx. 50-55kDa band observed in Human Breast Cancer lysates, and in preliminary testing of Human Kidney lysate (calculated MW of 51.7kDa according to NP\_002506.2). Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 hour at room temperature.

**IHC:** Paraffin embedded Human Brain (Cortex) and Heart. Recommended concentration: 5µg/ml.

**Immunofluorescence:** Strong expression of the protein seen in the nuclei of U2OS cells. Recommended concentration: 10µg/ml.

**Flow Cytometry:** Flow cytometric analysis of U2OS cells. Recommended concentration: 10ug/ml.

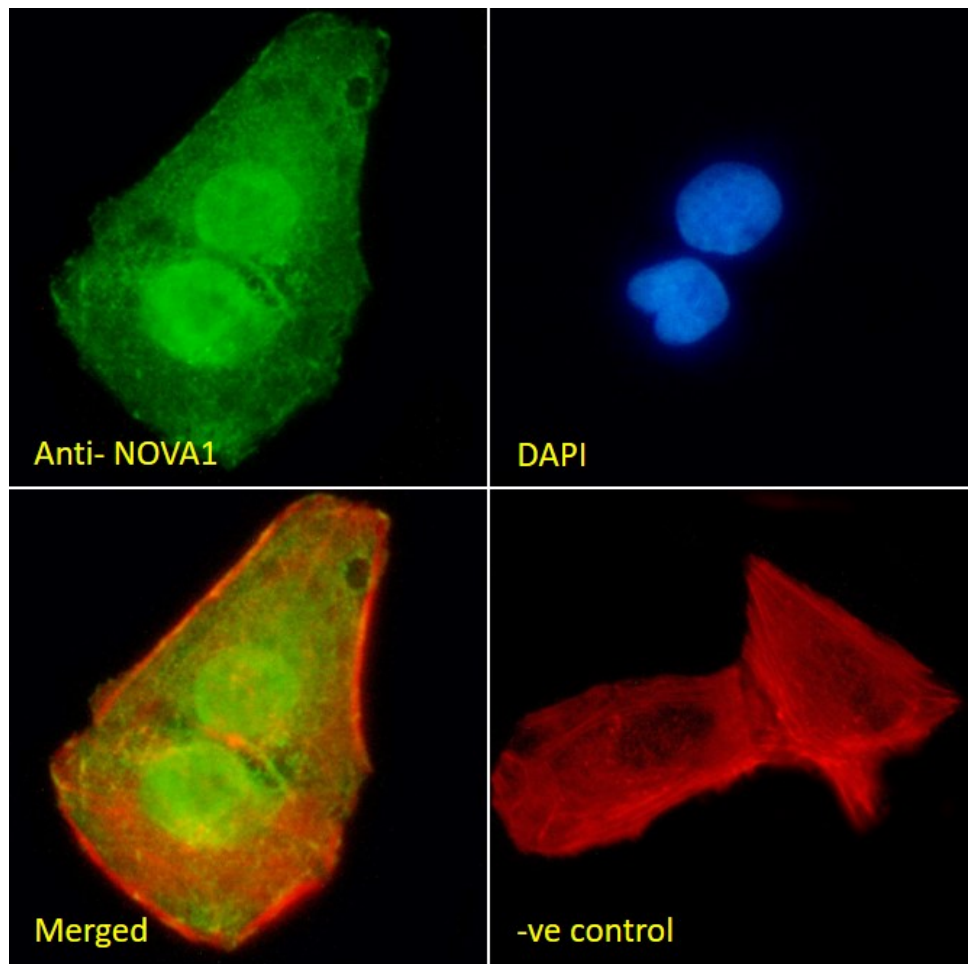
### Species Reactivity

**Tested:** Human

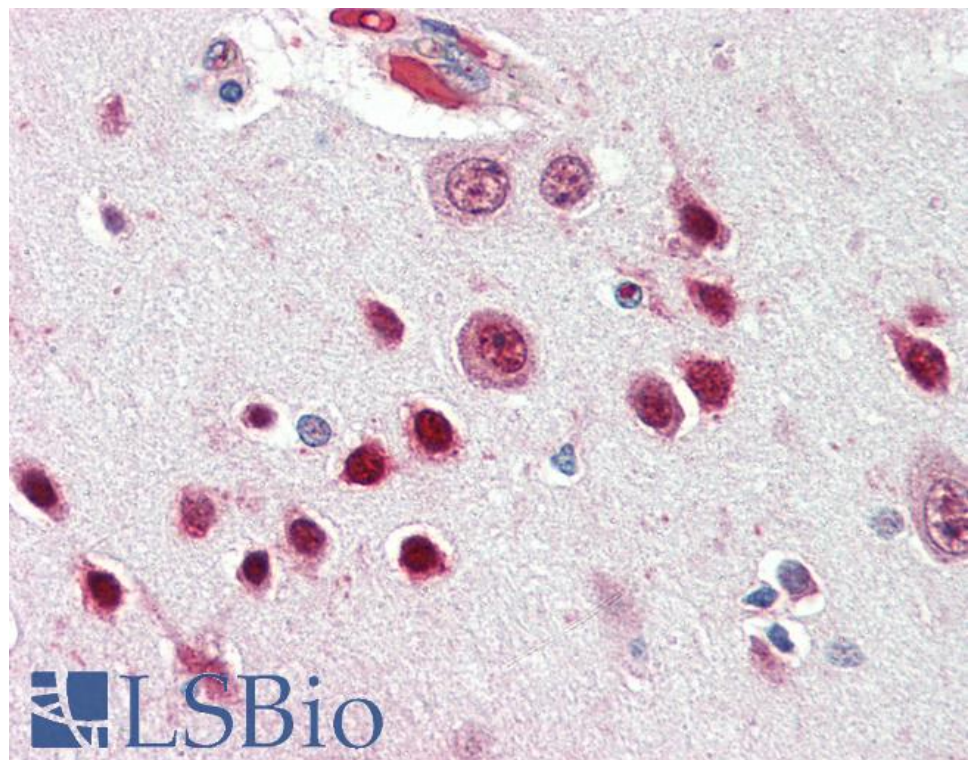
**Expected from sequence similarity:** Human, Mouse, Rat, Cow



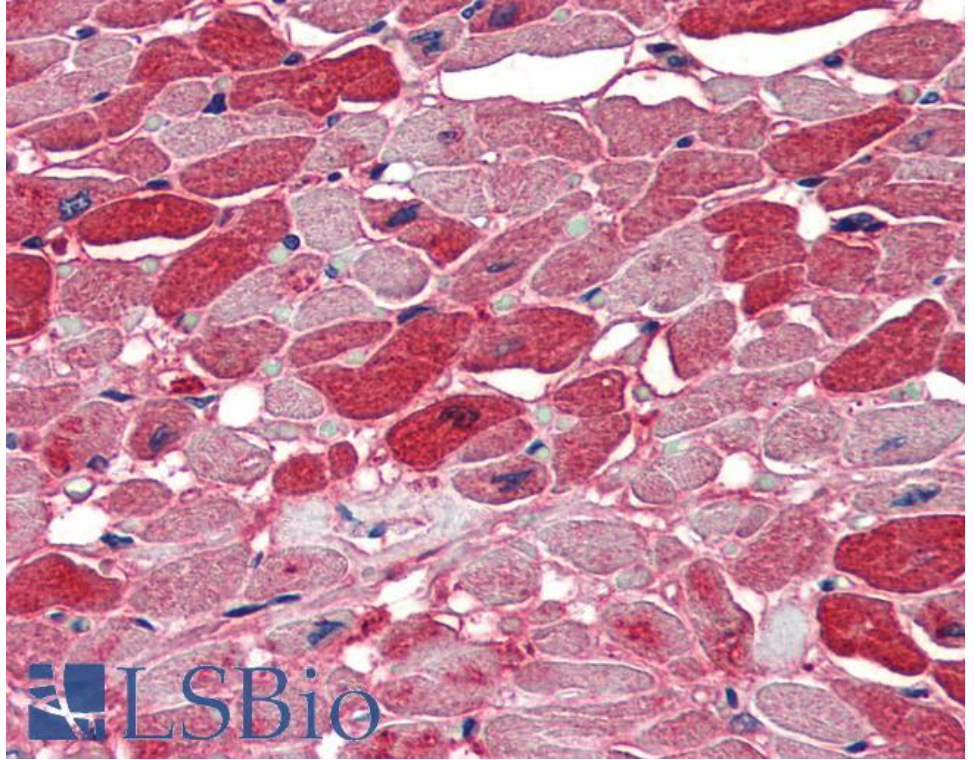
EB08387 optimised QC. Primary incubation 1 hour at room temperature.  
Image A: Human Breast Cancer lysate at primary Ab concentration 0.03µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



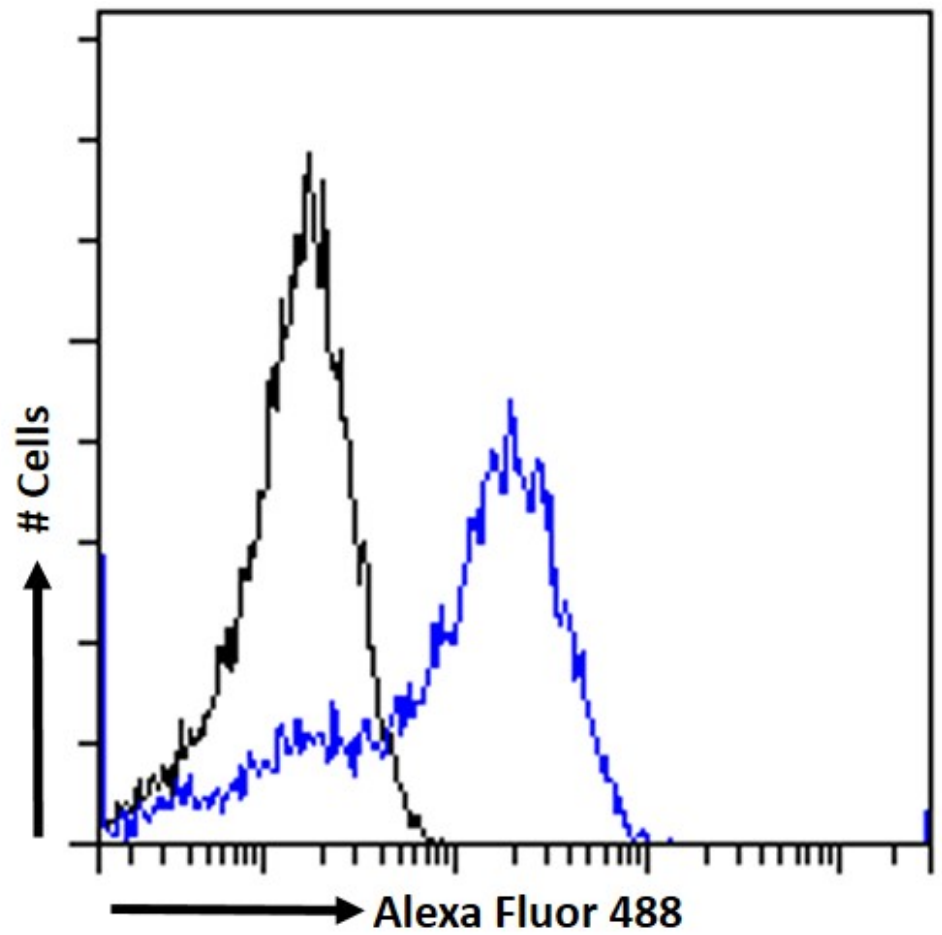
EB08387 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



EB08387 (5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08387 (5µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



EB08387 Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.