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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

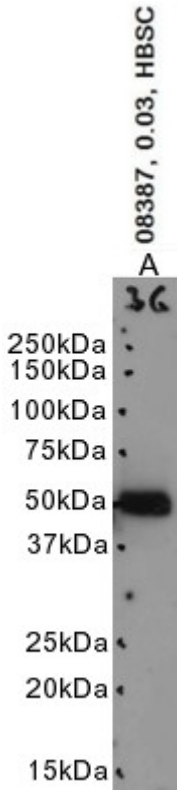
Peptide ELISA: antibody detection limit dilution 1:64000.
Western blot: Approx. 50-55kDa band observed in Human Breast Cancer lysates, and in preliminary testing of Human Kidney lysate (calculated MW of 51.7kDa according to NP_002506.2). Recommended concentration: 0.01-0.03µg/ml. Primary incubation 1 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.

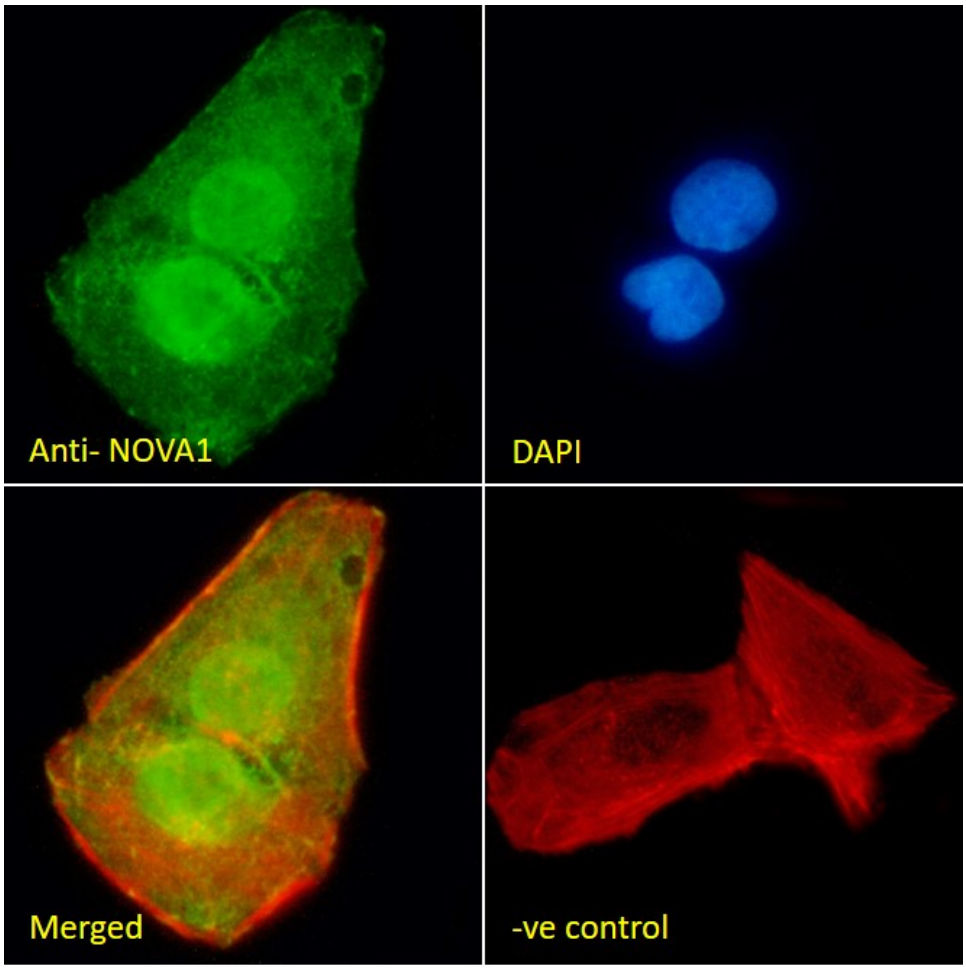
Species Reactivity

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

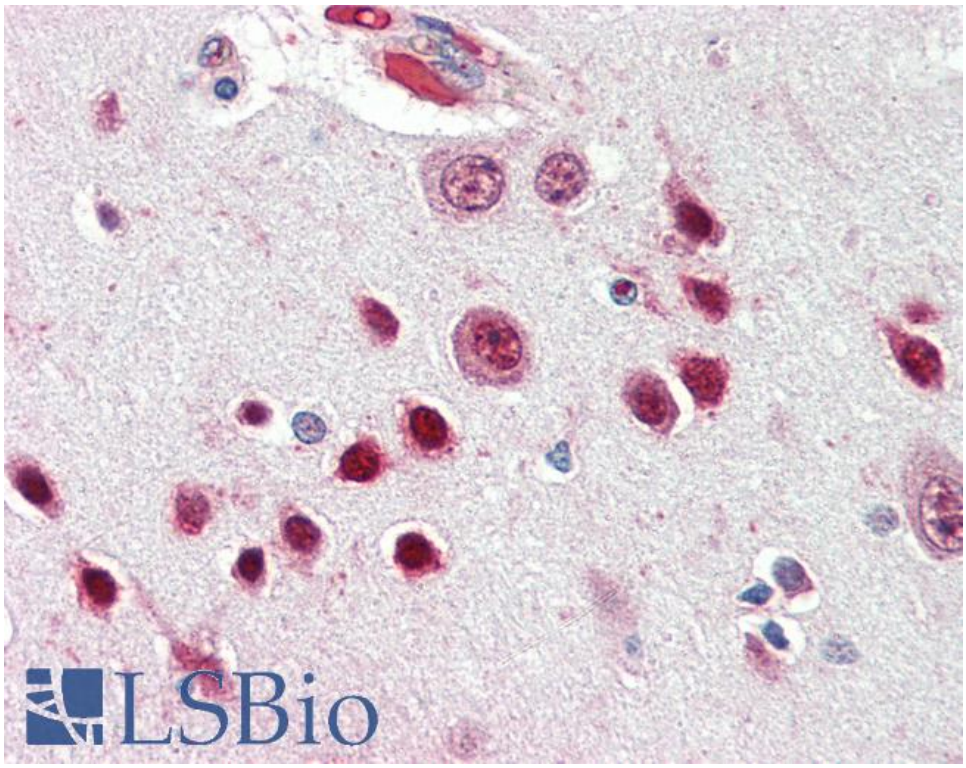


EB08387 optimised QC. Primary incubation 1 hour at room temperature.

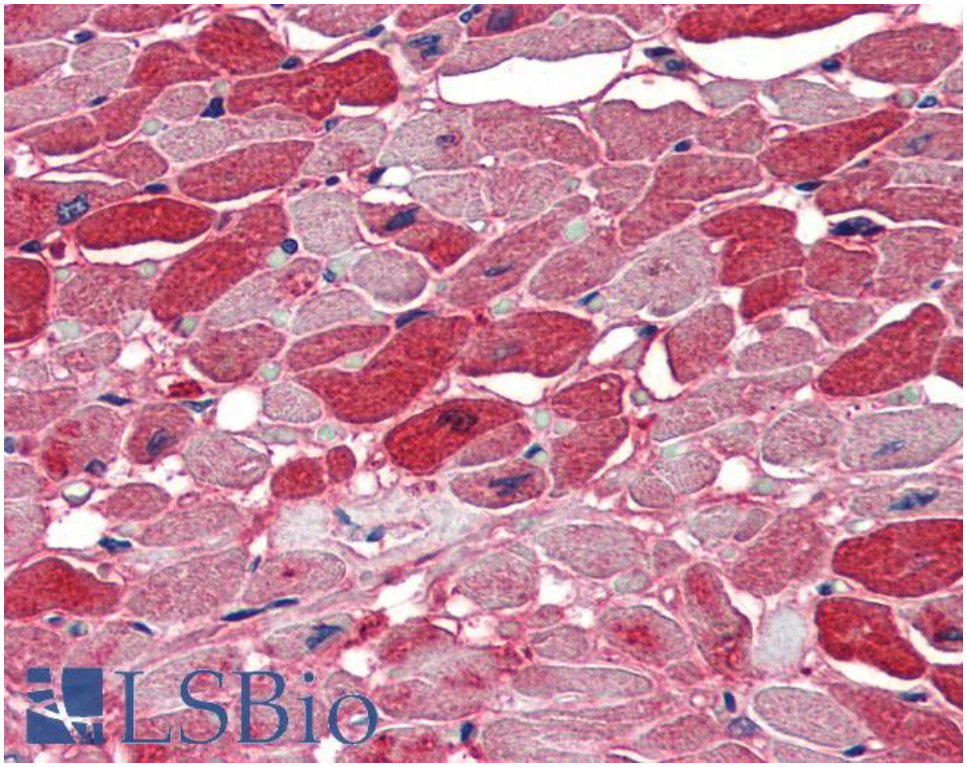
Image A: Human Breast Cancer lysate at primary Ab concentration 0.03µg/ml. (Loaded 35µg protein in RIPA buffer, per lane). Detected by chemiluminescence.



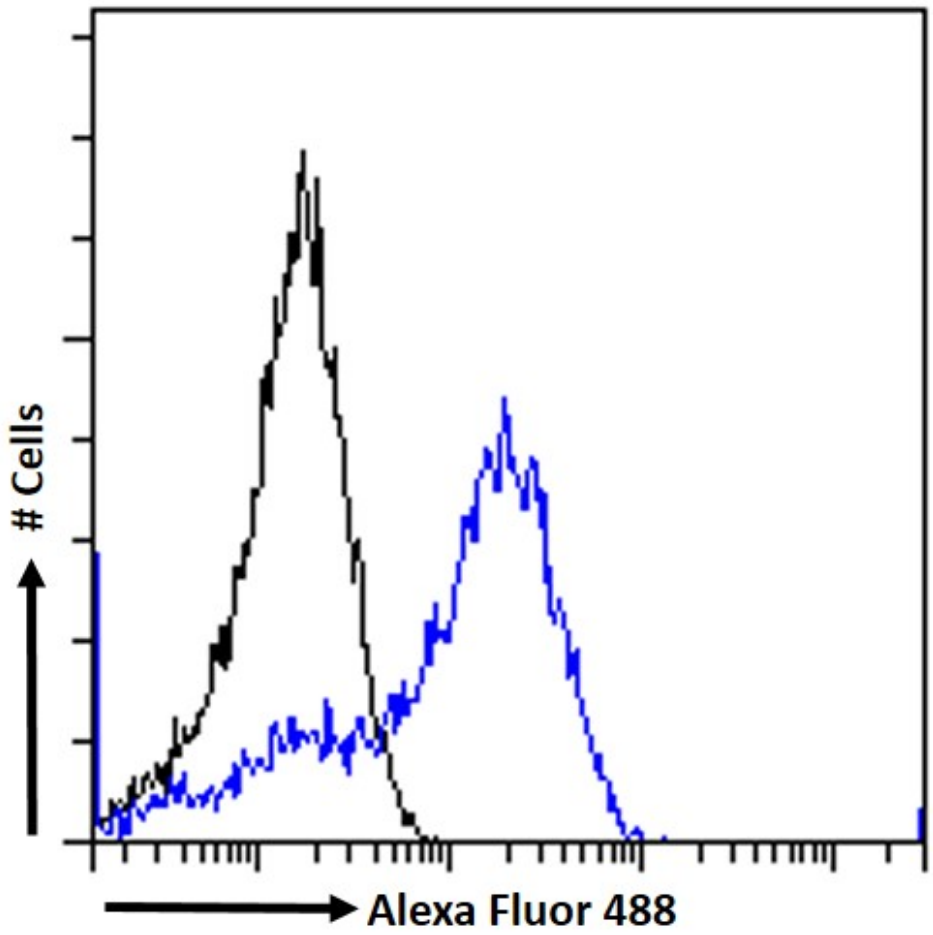
EB08387 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing nuclear staining. Actin filaments were stained with phalloidin (red) and the nuclear stain is DAPI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