info@arigobio.com

ARG42956
anti-NOVA1 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NOVA1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-Fr, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NOVA1
Species	Human
Immunogen	Recombinant protein corresponding to T416-V509 of Human NOVA1.
Conjugation	Un-conjugated
Alternate Names	Paraneoplastic Ri antigen; Neuro-oncological ventral antigen 1; Nova-1; Onconeural ventral antigen 1; RNA-binding protein Nova-1; Ventral neuron-specific protein 1

Application Instructions

Application table

Application	Dilution
ICC/IF	1:200 - 1:1000
IHC-Fr	1:200 - 1:1000
IHC-P	1:200 - 1:1000
WB	1:500 - 1:2000

Application Note: IHC-P: Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: ~ 58 kDa

Properties

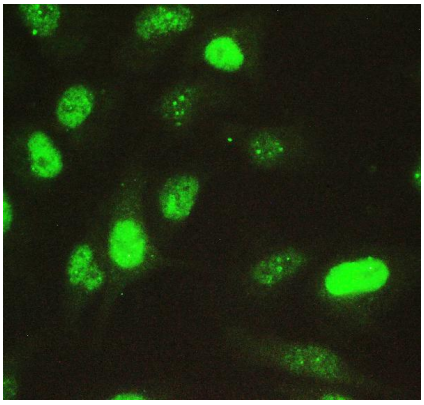
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

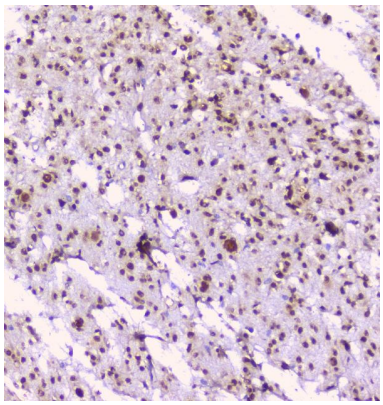
Gene Symbol	NOVA1
Gene Full Name	neuro-oncological ventral antigen 1
Background	This gene encodes a neuron-specific RNA-binding protein, a member of the Nova family of paraneoplastic disease antigens, that is recognized and inhibited by paraneoplastic antibodies. These antibodies are found in the sera 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]
Function	May regulate RNA splicing or metabolism in a specific subset of developing neurons. [UniProt]
Calculated Mw	52 kDa
Cellular Localization	Nucleus. [UniProt]

Images



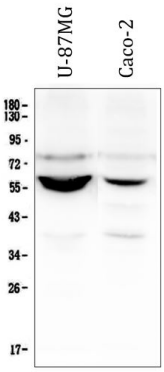
ARG42956 anti-NOVA1 antibody ICC/IF image

Immunofluorescence: A549 cells were blocked with 10% goat serum and then stained with ARG42956 anti-NOVA1 antibody (green) at 2 µg/ml dilution, overnight at 4°C.



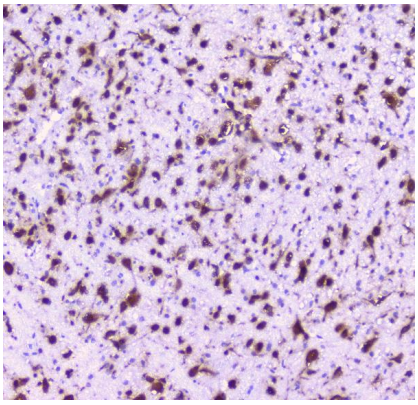
ARG42956 anti-NOVA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human glioma tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42956 anti-NOVA1 antibody at 1 µg/ml dilution, overnight at 4°C.



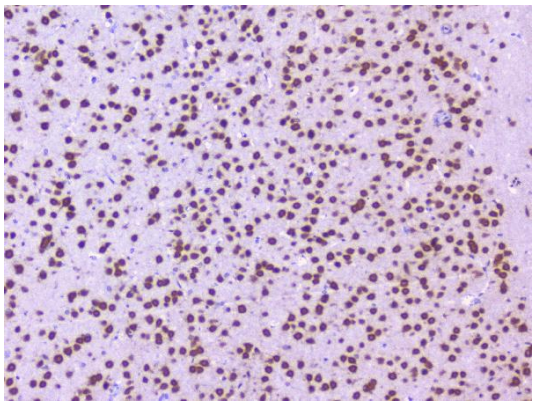
ARG42956 anti-NOVA1 antibody WB image

Western blot: 50 µg of sample under reducing conditions. U-87MG and Caco-2 whole cell lysates stained with ARG42956 anti-NOVA1 antibody at 0.5 µg/ml dilution, overnight at 4°C.



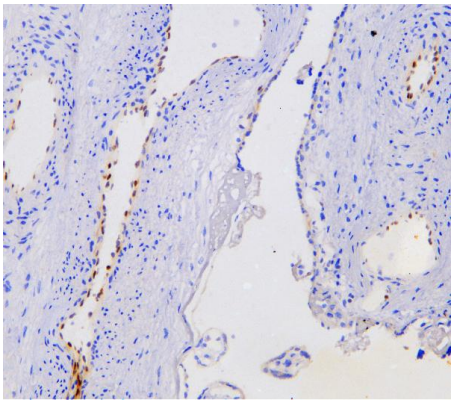
ARG42956 anti-NOVA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42956 anti-NOVA1 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42956 anti-NOVA1 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediation was performed in Citrate buffer (pH 6.0) for 20 min. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42956 anti-NOVA1 antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42956 anti-NOVA1 antibody IHC-Fr image

Immunohistochemistry: Frozen section of Human placenta tissue. The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42956 anti-NOVA1 antibody at 1 µg/ml dilution, overnight at 4°C.