

ARG42975 anti-NOVA2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes NOVA2
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NOVA2
Species	Human
Immunogen	Recombinant protein corresponding to M1-Q205 of Human NOVA2.
Conjugation	Un-conjugated
Alternate Names	NOVA3; RNA-binding protein Nova-2; Astrocytic NOVA1-like RNA-binding protein; ANOVA; Neuro-oncological ventral antigen 2

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	49, 72 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.

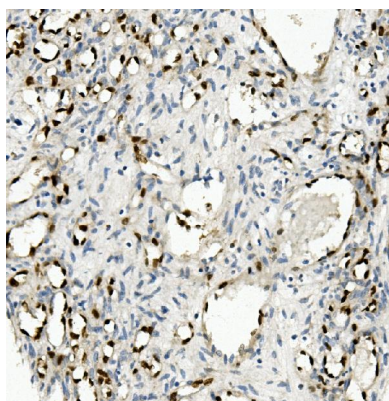
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

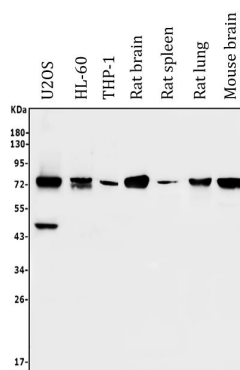
Gene Symbol	NOVA2
Gene Full Name	neuro-oncological ventral antigen 2
Function	May regulate RNA splicing or metabolism in a specific subset of developing neurons (By similarity). Binds single strand RNA. [UniProt]
Calculated Mw	49 kDa
Cellular Localization	Nucleus. [UniProt]

Images



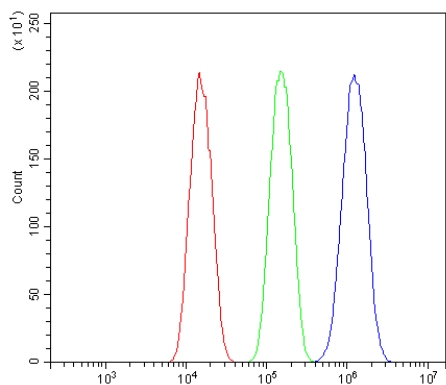
ARG42975 anti-NOVA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human appendicitis tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42975 anti-NOVA2 antibody at 1 µg/ml dilution, overnight at 4°C.



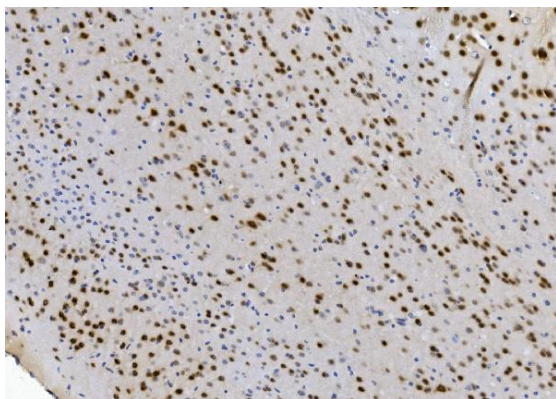
ARG42975 anti-NOVA2 antibody WB image

Western blot: 50 µg of sample under reducing conditions. U2OS, HL-60, THP-1, Rat brain, Rat spleen, Rat lung and Mouse brain lysates stained with ARG42975 anti-NOVA2 antibody at 0.5 µg/ml dilution, overnight at 4°C.



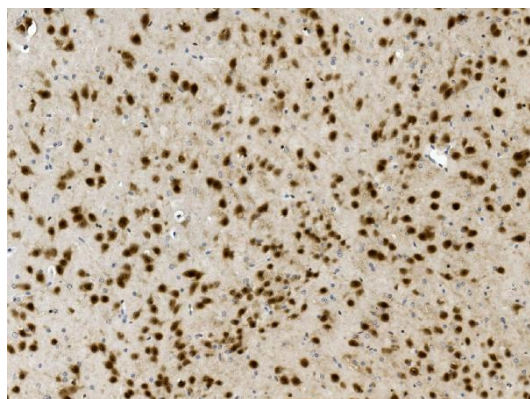
ARG42975 anti-NOVA2 antibody FACS image

Flow Cytometry: A549 cells were blocked with 10% normal goat serum and then stained with ARG42975 anti-NOVA2 antibody (blue) at $1\text{ }\mu\text{g}/10^6$ cells for 30 min at 20°C , followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ($1\text{ }\mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



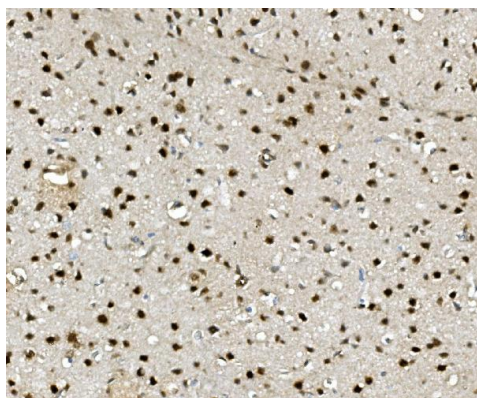
ARG42975 anti-NOVA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42975 anti-NOVA2 antibody at $1\text{ }\mu\text{g}/\text{ml}$ dilution, overnight at 4°C .



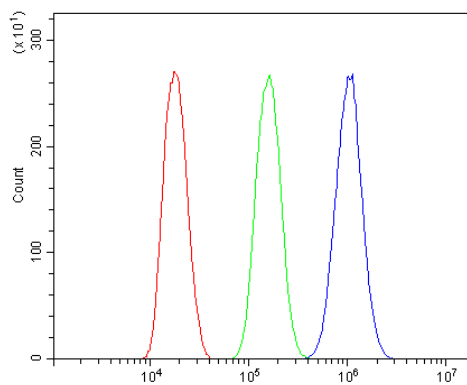
ARG42975 anti-NOVA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse brain tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42975 anti-NOVA2 antibody at $1\text{ }\mu\text{g}/\text{ml}$ dilution, overnight at 4°C .



ARG42975 anti-NOVA2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat liver tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42975 anti-NOVA2 antibody at $1\text{ }\mu\text{g}/\text{ml}$ dilution, overnight at 4°C .



ARG42975 anti-NOVA2 antibody FACS image

Flow Cytometry: Hepa 1-6 cells were blocked with 10% normal goat serum and then stained with ARG42975 anti-NOVA2 antibody (blue) at $1 \mu\text{g}/10^6$ cells for 30 min at 20°C , followed by incubation with DyLight[®]488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG ($1 \mu\text{g}/10^6$ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.