

Datasheet for ABIN7599078
anti-NOVA2 antibody (AA 1-205)



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	NOVA2
Binding Specificity:	AA 1-205
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOVA2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-NOVA2 Antibody Picoband®
Immunogen:	E.coli-derived human NOVA2 recombinant protein (Position: M1-Q205).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-NOVA2 Antibody Picoband® (ABIN7599078). Tested in ELISA, Flow Cytometry, IHC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	NOVA2
Alternative Name:	NOVA2 (NOVA2 Products)
Background:	<p>Synonyms: RNA-binding protein Nova-2, Astrocytic NOVA1-like RNA-binding protein, Neuro-oncological ventral antigen 2, NOVA2, ANOVA, NOVA3</p> <p>Tissue Specificity: Brain. Expression restricted to astrocytes.</p> <p>Background: NOVA alternative splicing regulator 2 is a protein that in humans is encoded by the NOVA2 gene. It is mapped to 19q13.32. NOVA2 may regulate RNA splicing or metabolism in a specific subset of developing neurons. It binds single strand RNA.</p>
Molecular Weight:	72 kDa
Gene ID:	4858

Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunohistochemistry (Paraffin-embedded Section), 0.5-1 µg/mL, Human, Mouse, Rat</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10⁶ cells, Human, Mouse</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Heinzen, E. L., Yoon, W., Tate, S. K., Sen, A., Wood, N. W., Sisodiya, S. M., Goldstein, D. B. Nova2 interacts with a Cis-acting polymorphism to influence the proportions of drug-responsive splice variants of SCN1A. Am. J. Hum. Genet. 80: 876-883, 2007. 2. Lewis, H. A., Musunuru, K., Jensen, K. B., Edo, C., Chen, H., Darnell, R. B., Burley, S. K. Sequence-specific RNA binding by a Nova KH domain: implications for paraneoplastic disease and the fragile X syndrome. Cell 100: 323-332, 2000. 3. Saito, Y., Yuan, Y., Zucker-Scharff, I., Fak, J. J., Jereb, S., Tajima, Y., Licatalosi, D. D., Darnell, R. B. Differential NOVA2-mediated splicing in excitatory and inhibitory neurons regulates cortical development and cerebellar function. Neuron 101: 707-720, 2019.</p>
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg NaN ₃ .

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.