

Rabbit Caspr2 Polyclonal Antibody | anti-CNTNAP2 antibody

Caspr2 Antibody

CATALOG # AAA329015	HOST Rabbit	REACTIVITY Human, Mouse, Rat Predicted Reactivity: Horse(100%)	APPLICATIONS ELISA
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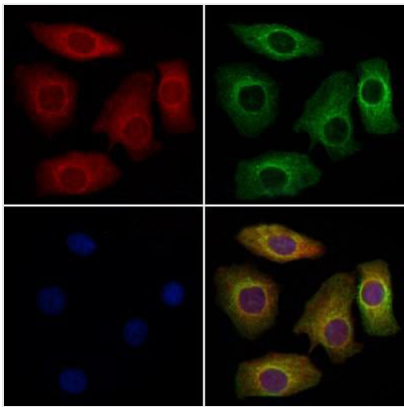
PRODUCT SYNONYMS

Caspr2; Polyclonal Antibody; Caspr2 Antibody; AUTS15; CDFE; Cell recognition molecule Caspr2; CNTNAP2; CNTP2; CNTP2_HUMAN; Contactin-associated protein-like 2; Homolog of Drosophila neurexin IV; NRXN4; PTHSL1; anti-CNTNAP2 antibody

PRODUCT SPECIFICATIONS

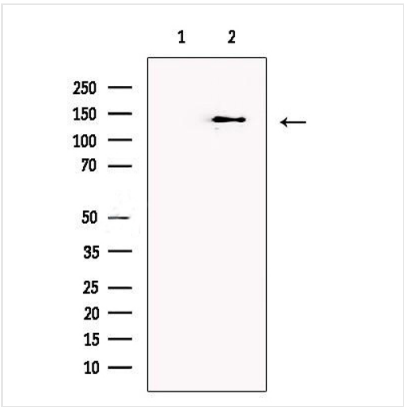
Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Horse(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	Caspr2 Antibody detects endogenous levels of total Caspr2.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	1331
Applicable Applications for anti-CNTNAP2 antibody	ELISA
Immunogen	A synthesized peptide derived from human Caspr2, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



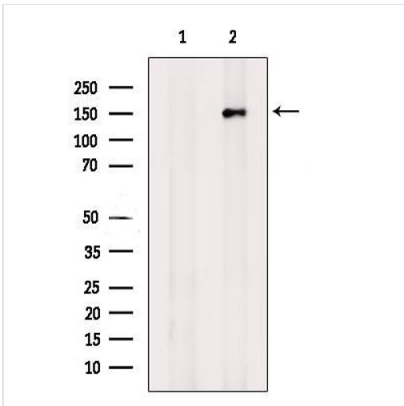
IF (Immunofluorescence)

AAA329015 staining HeLa cells by IF/ICC. The samples were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25Å°C. Samples were then incubated with primary Ab(AAA329015 1:200) and mouse anti-beta tubulin Ab(T0023 1:200) for 1 hour at 37Å°C. An AlexaFluor594 conjugated goat anti-rabbit IgG(H+L) Ab(Red) and an AlexaFluor488 conjugated goat anti-mouse IgG(H+L) Ab(Green) were used as the secondary antibody. The nuclear counter stain is DAPI(blue).



WB (Western Blot)

Western blot analysis of extracts from HepG2 cells, using Caspr2 Antibody. The lane on the left was treated with blocking peptide.



WB (Western Blot)

Western blot analysis of extracts from RAW264.7 cells, using Caspr2 Antibody. The lane on the left was treated with blocking peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-CNTNAP2 antibody	Function: Required, with CNTNAP1, for radial and longitudinal organization of myelinated axons. Plays a role in the formation of functional distinct domains critical for saltatory conduction of nerve impulses in myelinated nerve fibers. Demarcates the juxtaparanodal region of the axo-glial junction.
	Subcellular Location: Membrane>Single-pass type I membrane protein. Cell projection>Axon. Cell junction>Paranodal septate junction. Note: Expressed in the juxtaparadonal region.
	Tissue Specificity: Predominantly expressed in nervous system.
	Subunit Structure: Interacts (via C-terminus) with KCNA2.
	Similarity: Belongs to the neurexin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7662350
NCBI GeneID	26047
NCBI Accession #	NP_054860.1

NCBI GenBank Nucleotide #	NP_054860.1
UniProt Accession #	Q9UHC6
Molecular Weight	Observed Molecular Weight: (Observed)148kD. Predicted Molecular Weight: (Calculated)148kDa.
NCBI Official Full Name	contactin-associated protein-like 2
NCBI Official Synonym Full Names	contactin associated protein 2
NCBI Official Symbol	CNTNAP2
NCBI Official Synonym Symbols	CDFE; NRXN4; AUTS15; CASPR2; PTHSL1
NCBI Protein Information	contactin-associated protein-like 2
UniProt Protein Name	Contactin-associated protein-like 2
UniProt Gene Name	CNTNAP2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/caspr2-antibody-elisa/329015>