

CASPR Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54391**Specification**

CASPR Polyclonal Antibody - Product Information

Application	ICC, FC
Primary Accession	P78357
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	156267

CASPR Polyclonal Antibody - Additional Information**Gene ID** 8506**Other Names**

Contactin-associated protein 1, Caspr, Caspr1, Neurexin IV, Neurexin-4, p190, CNTNAP1, CASPR, NRXN4

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

CASPR Polyclonal Antibody - Protein Information**Name** CNTNAP1**Synonyms** CASPR, NRXN4**Function**

Required, with CNTNAP2, 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 paranodal region of the axo-glial junction. In association with contactin involved in the signaling between axons and myelinating glial cells.

Cellular Location

Membrane; Single-pass type I membrane protein. Cell junction, paranodal septate junction {ECO:0000250|UniProtKB:O54991}

Tissue Location

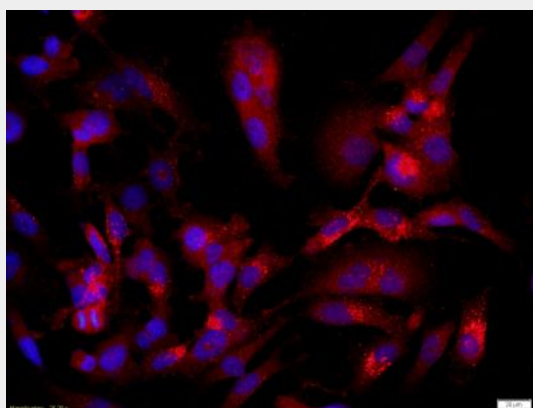
Predominantly expressed in brain. Weak expression detected in ovary, pancreas, colon, lung, heart, intestine and testis

CASPR Polyclonal Antibody - Protocols

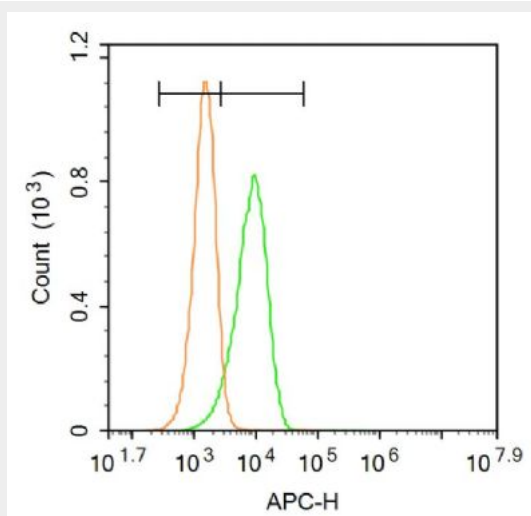
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CASPR Polyclonal Antibody - Images



Tissue/cell: human glioma cells(U251 cells);4% Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-CASPR Polyclonal Antibody, Unconjugated(bs-11128R) 1:200, overnight at 4°C;
The secondary antibody was Goat Anti-Rabbit IgG, Cy3 conjugated(bs-0295G-Cy3)used at 1:200 dilution for 40 minutes at 37°C. DAPI(5ug/ml,blue,C-0033) was used to stain the cell nuclei



Blank control (Black line): HUVEC (Black).

Primary Antibody (green line): Rabbit CASPR antibody (bs-11128R)

Dilution: 1 μg / 10^6 cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647

Dilution: 1 μg /test.

Protocol

The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.