Anti-Caspr Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

Catalog # R015468

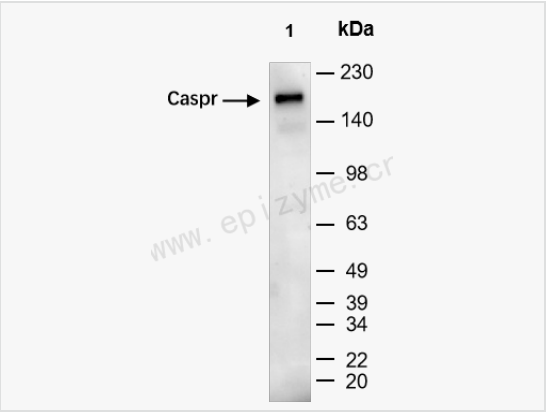
Product Information

Application	WB, IHC-P/IF (Tissue-P), ELISA
Reactivity	Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	35F85T09
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Caspr
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Caspr Rabbit mAb [35F85T09] is for research use only and not for use in diagnostic or therapeutic procedures.

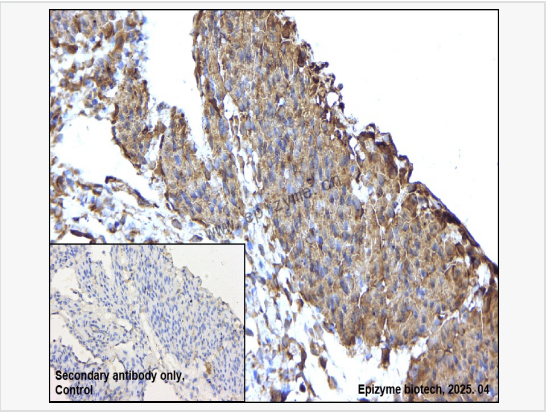
Protein Information

Synonyms	Caspr; Caspr1; CNTNAP; Cntnap1; CNTP1_HUMAN; Contactin associated protein 1; Contactin-associated protein 1; MHDNIV; NCP1; Neurexin 4; Neurexin IV; Neurexin-4; Nrxn4; p190; Paranodin.
Calculated MW	Calculated MW: 156 kDa; Observed MW: 165 kDa
Uniprot ID	P78357
Gene ID	8506
Background	The gene product was initially identified as a 190-kD protein associated with the contactin-PTPRZ1 complex. The 1,384-amino acid protein, also designated p190 or CASPR for 'contactin-associated protein,' includes an extracellular domain with several putative protein-protein interaction domains, a putative transmembrane domain, and a 74-amino acid cytoplasmic domain. Northern blot analysis showed that the gene is transcribed predominantly in brain as a transcript of 6.2 kb, with weak expression in several other tissues tested. The architecture of its extracellular domain is similar to that of neurexins, and this protein may be the signaling subunit of contactin, enabling recruitment and activation of intracellular signaling pathways in neurons. [provided by RefSeq, Jan 2009].
Cellular Location	Membrane.
Tissue Location	Predominantly expressed in brain. Weak expression detected in ovary, pancreas, colon, lung, heart, intestine and testis.

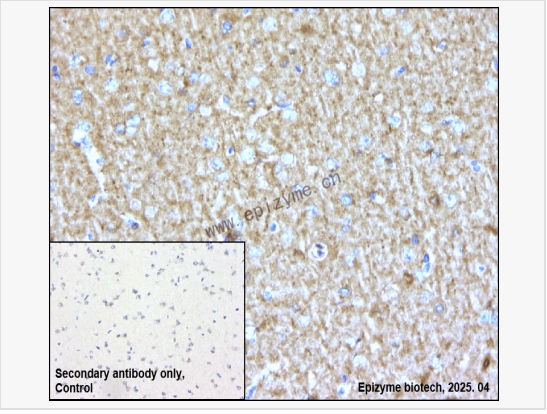
Validation Images



Western Blot - Anti-Caspr Rabbit mAb [35F85T09]
All lanes: R015468 at 1:1,000 dilution
Lane 1: Mouse brain whole tissue lysates
Lysates/proteins at 10 µg per lane.
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution
Predicted band size: 156 kDa
Observed band size: 165 kDa
Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Caspr Rabbit mAb [35F85T09]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse ovary tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015468 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.



Immunohistochemistry - Anti-Caspr Rabbit mAb [35F85T09]
Sample: Paraformaldehyde-fixed, paraffin embedded mouse brain tissue
Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.
Primary antibody: R015468 at 1:200 dilution
Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution
DAB was used as the chromogen.
Counter stained with hematoxylin.
Positive/negative staining were presented.
Only the secondary antibody was used as the negative control.