CSP polyclonal antibody

Cysteine string protein (CSP) is a 34 kDa rat brain protein localized to the cytoplasmic surface of the synaptic vesicle. CSP is believed to perform similar functions in the assembly of synaptic vesicle proteins which are essential to membrane trafficking.

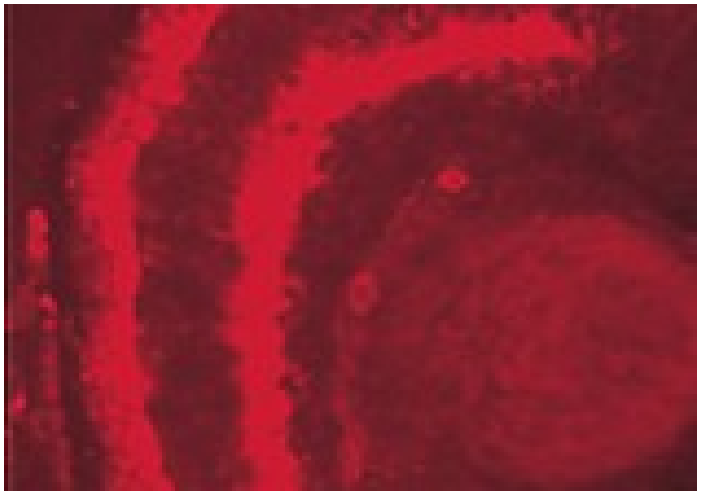
This antibody is covered by our Worry-Free Guarantee.

Citations: 11 View Online »

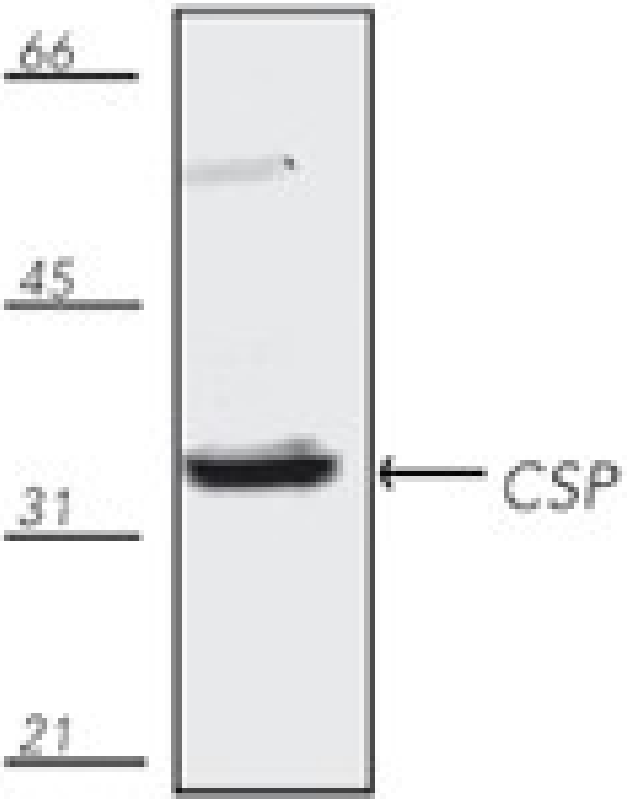
Ordering Information Order Online »

ADI-VAP-SV003-E	100µg

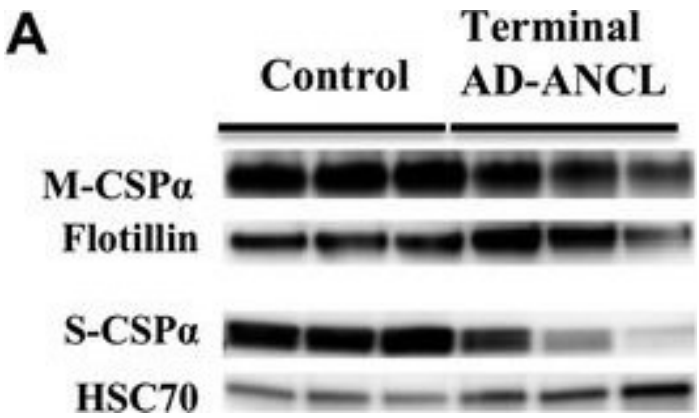
Manuals, SDS & CofA View Online »



Immunohistochemistry analysis of Xenopus embryonic retina section stained with CSP, pAb.



Western blot analysis of mouse brain tissue extract, probed with CSP, pAb.



Presynaptic protein levels in the brains of terminal AD-ANCL patients. a Representative western blots (top) and semi-quantitative analysis (graph, bottom) displaying the protein levels of CSPα in the membrane (M-CSPα) (normalized to Flotillin) and cytosolic/soluble (S-CSPα) (normalized to HSC70) fractions from the occipital lobe of three controls and three terminal AD-ANCL patients. The graphs show the expression level of the indicated proteins normalized to flotillin or HSC70 expression. b Representative western blots (top) and semi-quantitative analysis (graph, bottom) show the protein levels of SNAP-25, vesicle-associated membrane protein 2 (VAMP2/ Synaptobrevin), Syntaxin 1 (STX1), and Synaptophysin (SYP) in the occipital lobe from three controls and three terminal AD-ANCL patients in the membrane fraction. Values represent the mean ± S.E.M. of three independent experiments. **, $p \leq 0.01$; ***, $p \leq 0.001$ using Student's t test

Image collected and cropped by CiteAb under a CC-BY license from the following publication: Clinically early-stage CSPα mutation carrier exhibits remarkable terminal stage neuronal pathology with minimal evidence of synaptic loss. *Acta Neuropathol Commun* (2015)

Handling & Storage

Handling	Avoid freeze/thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Cysteine String Protein, DnaJC5
Application	IHC, IP, WB
Application Notes	Detects a band of ~34kDa by Western blot.
Formulation	Liquid. In PBS, pH 7.2, containing 50% glycerol and 0.09% sodium azide.
GenBank ID	U39320
Host	Rabbit
Immunogen	Synthetic peptide corresponding to the sequence near the C-terminus of rat CSP. The sequence is completely conserved in bovine.
Purity Detail	Immunoaffinity purified.
Recommendation Dilutions/Conditions	Immunohistochemistry, Immunoprecipitation (0.5µg/ml)Western Blot (1:2,000, colorimetric)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Source	Purified from rabbit serum.
Species Reactivity	Bovine, Mouse, Rat, Xenopus
UniProt ID	P60905

Worry-free Guarantee

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Last modified: May 29, 2024

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