



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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**Cysteine string protein (CSP) Alpha, DNAJC5 alpha. Rabbit Polyclonal Antibody**  
CSP, DnaJ homolog subfamily C member 5

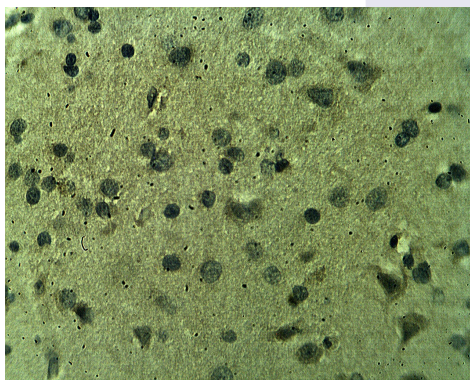
**BACKGROUND**

May have an important role in presynaptic function. May be involved in calcium-dependent neurotransmitter release at nerve endings. The amino terminus of CSP contains the J domain, a consensus sequence found on a DnaJ like protein which is a member of the heatshock protein family. Since heat shock proteins serve as chaperones that participate in protein folding and protein complex formation, CSP is believed to perform similar functions in the assembly of synaptic vesicle proteins which are essential to membrane trafficking. Evidence for a role of CSP in presynaptic neurotransmitter release has come from genetic and physiological study in which the Drosophila CSP null mutant fails to elicit synaptic potential upon high frequency stimulation. CSP null mutants have a lethal phenotype and for the small percentage of mutant flies that survive, they become paralyzed and die at elevated temperature.

**IMMUNOGEN**

Synthetic peptide derived from the human CSP protein.

Immunohistochemical staining of human brain tissue using CSP alpha antibody (Cat. No. X2406) at 10 µg/ml.



**ORDERING INFORMATION**

**CATALOG NUMBER**  
X2406P

**SIZE**

100 µg

**FORM**

Unconjugated

**HOST/CLONE**

Rabbit

**FORMULATION**

Provided as solution in phosphate buffered saline with 0.08% sodium azide

**CONCENTRATION**

See vial for concentration

**ISOTYPE**

IgG

**APPLICATIONS**

Western Blot, ELISA

**SPECIES REACTIVITY**

Human, Rat, Mouse

**ACCESSION NUMBER**

Human	Q9H3Z4
Rat	P60905
Mouse	P60904

**POSITIVE CONTROL/TISSUE EXPRESSION**

Human brain; Expressed in tissue of pancreas, kidney, skeletal muscle, liver, lung, placenta, brain and heart

**COMMENTS**

Antibody can be used for immunohistochemistry (5-10  $\mu\text{g/ml}$ ). Optimal concentration should be evaluated by serial dilutions.

**PURIFICATION**

Ammonium Sulfate Precipitation

**SHIP CONDITIONS**

Ship at ambient temperature, freeze upon arrival

**STORAGE CUSTOMER**

Product should be stored at  $-20^{\circ}\text{C}$ . Aliquot to avoid freeze/thaw cycles

**STABILITY**

Products are stable for one year from purchase when stored properly

**REFERENCES**

1. Coppola T., Gundersen C., Widespread expression of human cysteine string proteins. FEBS Lett. 391:269-272(1996) [PubMed: 8764987] [Abstract]

**PRODUCT SPECIFIC REFERENCES**