



Rabbit Anti-CSAD antibody

SL11822R

Product Name:	CSAD
Chinese Name:	半胱氨酸亚磺酸脱羧酶抗体
Alias:	CSAD; CSAD_HUMAN; CSD; Cysteine sulfinic acid decarboxylase; Cysteine-sulfinate decarboxylase; Sulfinoalanine decarboxylase.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	55kDa
Cellular localization:	cytoplasmicExtracellular matrix
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human CSAD:401-493/493
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.
PubMed:	PubMed
Product Detail:	CSAD is a 493 amino acid protein that exists as a homodimer and belongs to the group II decarboxylase family. CSAD catalyzes the conversion of 3-sulfino-L-alanine to hypotaurine and carbon dioxide, binds pyridoxal phosphate as a cofactor and undergoes alternative splicing to produce three isoforms. The gene encoding CSAD maps to human chromosome 12, which encodes over 1,100 genes and comprises approximately 4.5% of the human genome. Chromosome 12 is associated with a variety of diseases and

afflictions, including hypochondrogenesis, achondrogenesis, Kniest dysplasia, Noonan syndrome and trisomy 12p, which causes facial developmental defects and seizure disorders.

Subunit:

Homodimer.

Similarity:

Belongs to the group II decarboxylase family.

SWISS:

Q9Y600

Gene ID:

51380

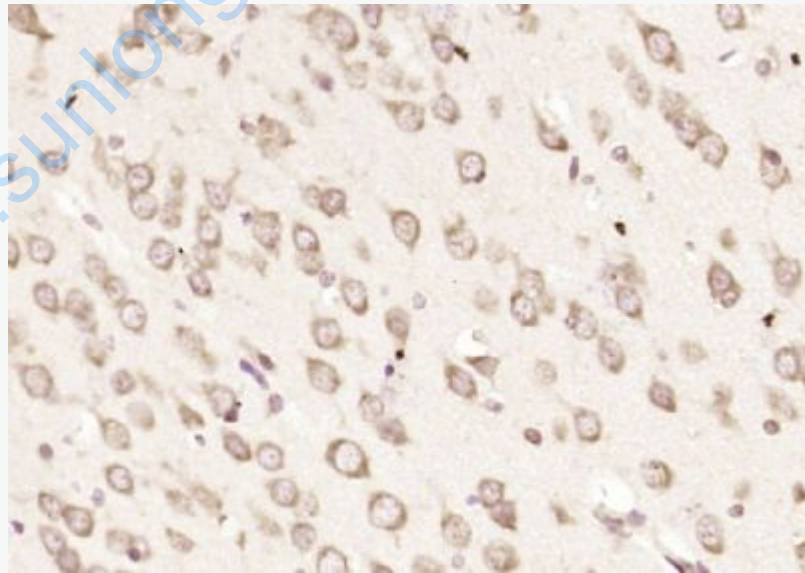
Database links:

UniProtKB/Swiss-Prot: Q9Y600.2

Important Note:

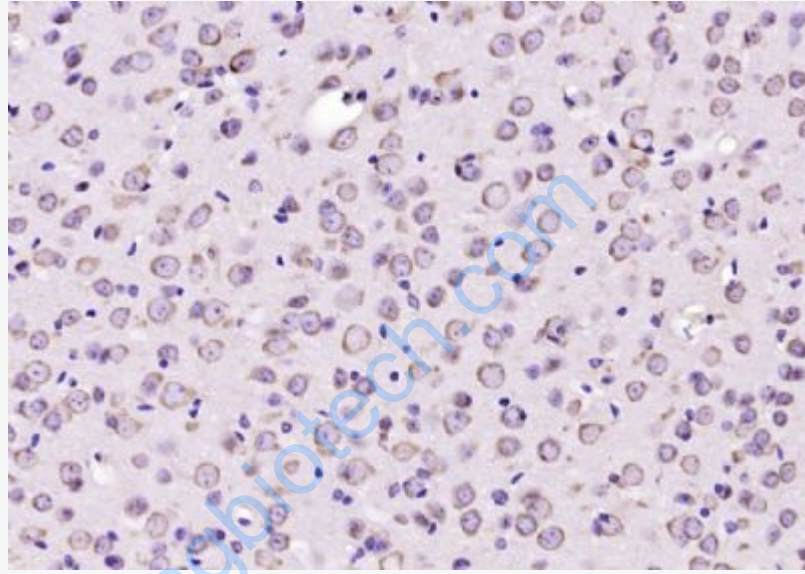
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Picture:



Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for

30min; Antibody incubation with (CSAD) Polyclonal Antibody, Unconjugated (SL11822R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CSAD) Polyclonal Antibody, Unconjugated (SL11822R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.