

ARG59186 anti-CCS / SOD4 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes CCS / SOD4
Tested Reactivity	Hu, Ms, Rat
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	CCS / SOD4
Species	Human
Immunogen	Synthetic peptide corresponding to aa. 174-209 of Human CCS / SOD4. (DADGRAIFRMEDEQLKVWDVIGRSLIIDEGEDDLGR)
Conjugation	Un-conjugated
Alternate Names	Copper chaperone for superoxide dismutase; Superoxide dismutase copper chaperone

Application Instructions

Application table	Application	Dilution
	IHC-P	0.5 - 1 µg/ml
	WB	0.1 - 0.5 µg/ml
Application Note	IHC-P: Antigen Retrieval: By heat mediation. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

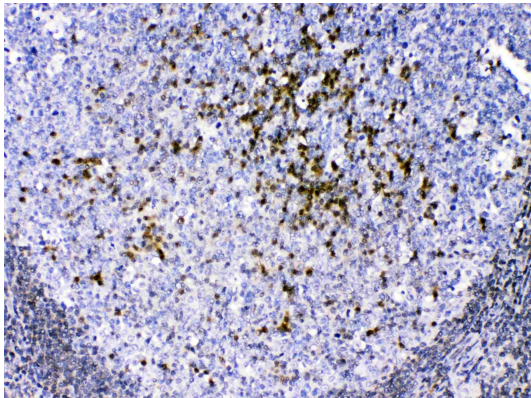
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

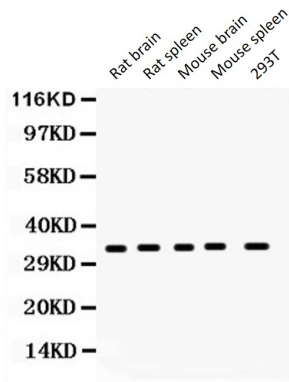
Gene Symbol	CCS
Gene Full Name	copper chaperone for superoxide dismutase
Background	Copper chaperone for superoxide dismutase specifically delivers Cu to copper/zinc superoxide dismutase and may activate copper/zinc superoxide dismutase through direct insertion of the Cu cofactor. [provided by RefSeq, Jul 2008]
Function	Delivers copper to copper zinc superoxide dismutase (SOD1). [UniProt]
Calculated Mw	29 kDa
PTM	Ubiquitination by XIAP/BIRC4 leads to enhancement of its chaperone activity toward its physiologic target, SOD1, rather than proteasomal degradation. XIAP/BIRC4 preferentially ubiquitinates at Lys-241. [UniProt]
Cellular Localization	Cytoplasm. [UniProt]

Images



ARG59186 anti-CCS / SOD4 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human tonsil stained with ARG59186 anti-CCS / SOD4 antibody at 1 µg/ml dilution.



ARG59186 anti-CCS / SOD4 antibody WB image

Western blot: Rat brain, Rat spleen, Mouse brain, Mouse spleen and 293T whole cell lysates stained with ARG59186 anti-CCS / SOD4 antibody at 0.5 µg/ml dilution.