

Anti-S100A5 Antibody



Description

The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein has a Ca^{2+} affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn^{2+} and Cu^{2+} , and Cu^{2+} strongly which impairs the binding of Ca^{2+} . This protein is expressed in very restricted regions of the adult brain.

Model	STJ116979
Host	Rabbit
Reactivity	Human
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-92 of human S100A5 (NP_002953.2).
Gene ID	6276
Gene Symbol	S100A5
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification
Note	For Research Use Only (RUO).
Protein Name	Protein S100-A5 Protein S-100D S100 calcium-binding protein A5

Molecular Weight	10.744 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:10495OMIM:176991
Alternative Names	Protein S100-A5 Protein S-100D S100 calcium-binding protein A5
Function	Binds calcium, zinc and copper, One subunit can simultaneously bind 2 calcium ions or 2 copper ions plus 1 zinc ion, Calcium and copper ions compete for the same binding sites,

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