



Anti-S100A5 (aa 1-90) polyclonal antibody (DPAB-DC2770)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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 Ca2+ affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn2+ and Cu2+, and Cu2+ strongly which impairs the binding of Ca2+. This protein is expressed in very restricted regions of the adult brain.
Immunogen	S100A5 (NP_002953, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. The sequence is MPAAWILWAHSHSELHTVMETPLEKALTTMVTTFHKYSGREGSKLTLRKELKELIKKEL CLGEMKESSIDDLMKSLDKNSDQEIDFKEY
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Tissue lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	S100A5 S100 calcium binding protein A5 [Homo sapiens (human)]
Official Symbol	S100A5
Synonyms	S100A5; S100 calcium binding protein A5; S100D; protein S100-A5; S100 calcium-binding protein A5;
Entrez Gene ID	6276
Protein Refseq	NP_002953
UniProt ID	P33763
Chromosome Location	1q21
Function	calcium ion binding; copper ion binding; protein homodimerization activity; zinc ion binding