



# 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

<b>Antigen Description</b>	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 <sup>2+</sup> affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn <sup>2+</sup> and Cu <sup>2+</sup> , and Cu <sup>2+</sup> strongly which impairs the binding of Ca <sup>2+</sup> . This protein is expressed in very restricted regions of the adult brain.
<b>Immunogen</b>	S100A5 (NP_002953, 1 a.a. ~ 90 a.a) partial recombinant protein with GST tag. The sequence is MPAAWILWAHSHSELHTVMETPLEKALTTMVTTFHKYSGREGSKLTLSRKELKELIKKEL CLGEMKESSIDDLMKSLDKNSDQEIDFKEY
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB (Tissue lysate), WB (Recombinant protein), ELISA,
<b>Size</b>	50 µl
<b>Buffer</b>	50 % glycerol
<b>Preservative</b>	None
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

# GENE INFORMATION

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