
Product Information

Product SKU:	CAB14779	Gene ID:	6276	Size:	20uL, 100uL
Clone No:	-	Host Species:	Rabbit	Reactivity:	Human

Additional Information

Observed MW:	11kDa	Conjugate:	Unconjugated
Calculated MW:	11kDa	Isotype:	IgG

Immunogen Information

Background: 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.

Recommended Dilution: WB, 1:500 - 1:2000 IHC-P, 1:100 - 1:200

Synonyms: S100D; S100A5

Purification Method: Affinity purification

Immunogen: Recombinant fusion protein containing a sequence corresponding to amino acids 1-92 of human S100A5 (NP_002953.2).

Storage: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thimerosal, 50% glycerol, pH 7.3.