
Product Information

Product SKU:	CAB19107	Gene ID:	6271	Size:	20uL, 100uL
Clone No:	ARC0404	Host Species:	Rabbit	Reactivity:	Mouse

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 may function in stimulation of Ca ²⁺ -induced Ca ²⁺ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.
Recommended Dilution:	WB, 1:500 - 1:1000
Synonyms:	S100; S100A; S100-alpha; S100/S100A1
Purification Method:	Affinity purification
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 2-94 of human S100/S100A1 (P23297).
Storage:	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 0.05% BSA, 50% glycerol, pH 7.3.