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S100A1 Polyclonal Antibody

Cat #: G-AB-05975

Host: Rabbit **Reactivity:** Human, Mouse, Rat

Isotype: IgG **Clonality:** Polyclonal

Overview:
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 Ca2+-induced Ca2+ release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.

Gene ID:

Accession #:

Immunogen: Synthesized peptide derived from the N-terminal region of human S-100

Conjugation: Unconjugated

Swissprot: P23297

Calculated Molecular Weight: 11 kDa

Observed Molecular Weight: 10 kDa

Concentration: 1 mg/mL

Buffer: PBS with 0.02% sodium azide, 0.5% BSA and 50% glycerol, pH7.4

Purification Method: Affinity purification

Application: WB,IHC-p,IF,ELISA

Dilution: WB 1:500-1:2000, IHC 1:100-1:300, IF 1:200-1:1000, ELISA 1:20000

Storage: Store at -20°C. Avoid freeze / thaw cycles.