

# S100A10/P11 Antibody

Purified Mouse Monoclonal Antibody

Catalog # AO1094a

## Product Information

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<b>Application</b>	WB, IHC, ICC, E
<b>Primary Accession</b>	<a href="#">P60903</a>
<b>Reactivity</b>	Human
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Clone Names</b>	4E7E10
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	11203
<b>Description</b>	S100 calcium binding protein A10 (S100A10/P11), it 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 exocytosis and endocytosis.
<b>Immunogen</b>	Purified recombinant fragment of human P11 expressed in E. Coli.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide.

## Additional Information

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<b>Gene ID</b>	6281
<b>Other Names</b>	Protein S100-A10, Calpactin I light chain, Calpactin-1 light chain, Cellular ligand of annexin II, S100 calcium-binding protein A10, p10 protein, p11, S100A10, ANX2LG, CAL1L, CLP11
<b>Dilution</b>	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 ICC~~N/A E~~N/A
<b>Storage</b>	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
<b>Precautions</b>	S100A10/P11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

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<b>Name</b>	S100A10
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## Synonyms

ANX2LG, CAL1L, CLP11

## Function

Because S100A10 induces the dimerization of ANXA2/p36, it may function as a regulator of protein phosphorylation in that the ANXA2 monomer is the preferred target (in vitro) of tyrosine-specific kinase.

## References

1. Svenningsson P, Greengard P. Curr Opin Pharmacol. 2007;7(1):27-32. 2. Santamaria-Kisiel L, Rintala-Dempsey AC, Shaw GS. Biochem J. 2006;396(2):201-14. 3. Rust R, VL, van dj, Harms G,.et al. Br J Haematol. 2005;131(5):596-608.

## Images

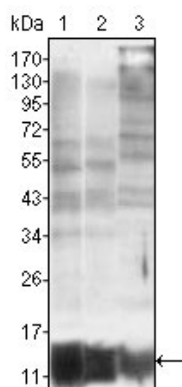


Figure 1: Western blot analysis using S100A10/P11 mouse mAb against MCF-7 (1), HepG2 (2) and Hela (3).

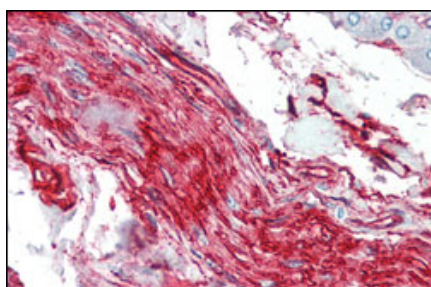


Figure 2: Immunohistochemical analysis of paraffin-embedded human nerve and ganglion cells using S100A10/P11 mouse mAb.

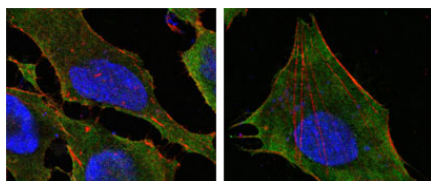


Figure 3: Confocal immunofluorescence analysis of Hela (left) and L-02 (right) cells using S100A10/P11 mouse mAb(green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.