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S100A10/P11 Antibody

Purified Mouse Monoclonal Antibody
Catalog # AO1094a

Product Information

Application	WB, IHC, ICC, E
Primary Accession	P60903
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Clone Names	4E7E10
Isotype	IgG1
Calculated MW	11203
Description	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.
Immunogen	Purified recombinant fragment of human P11 expressed in E. Coli.
Formulation	Ascitic fluid containing 0.03% sodium azide.

Additional Information

Gene ID	6281
Other Names	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
Dilution	WB~~1/500 - 1/2000 IHC~~1/200 - 1/1000 ICC~~N/A E~~N/A
Storage	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.
Precautions	S100A10/P11 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	S100A10

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

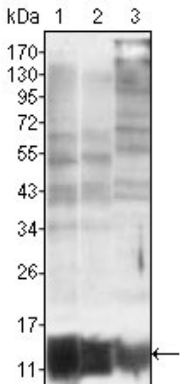

Figure 1: Western blot analysis using S100A10/P11 mouse mAb against MCF-7 (1), HepG2 (2) and Hela (3).

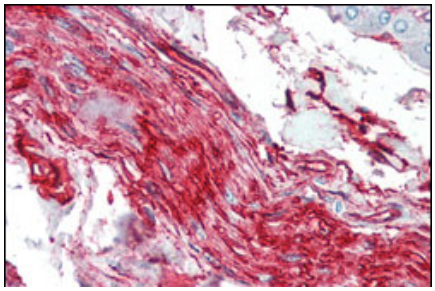

Figure 2: Immunohistochemical analysis of paraffin-embedded human nerve and ganglion cells using S100A10/P11 mouse mAb.

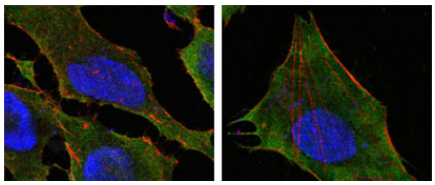

Figure 3: Confocal immunofluorescence analysis of Hela (left) and L-02 (right) cells using S100A10/P11 mouse mAb(green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.