10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# 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

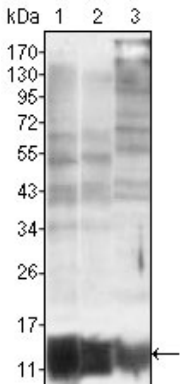



Figure 1: Western blot analysis using S100A10/P11 mouse mAb against MCF-7 (1), HepG2 (2) and Hela (3).

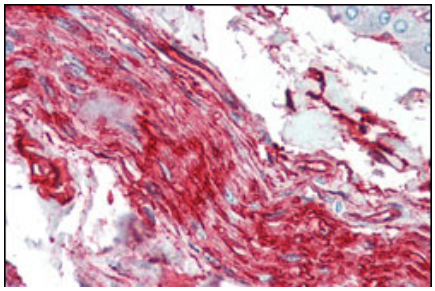


Figure 2: Immunohistochemical analysis of paraffin-embedded human nerve and ganglion cells using S100A10/P11 mouse mAb.

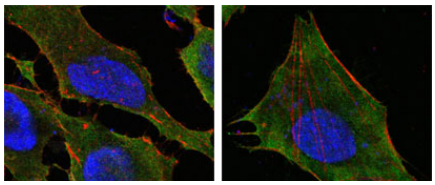


Figure 3: Confocal immunofluorescence analysis of Hela (left) and L-02 (right) cells using S100A10/P11 mouse mAb(green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

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