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# S100A10 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant S100A10.
Catalog # AT3751a

## Product Information

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|---|---|
| **Application** | WB, IF, E |
| **Primary Accession** | P60903 |
| **Other Accession** | BC015973 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG1 Kappa |
| **Clone Names** | 4D2-F1 |
| **Calculated MW** | 11203 |

## 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 |
| **Target/Specificity** | S100A10 (AAH15973, 1 a.a. ~ 97 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 IF~~1:50~200 E~~N/A |
| **Format** | Clear, colorless solution in phosphate buffered saline, pH 7.2 . |
| **Storage** | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing. |
| **Precautions** | S100A10 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures. |

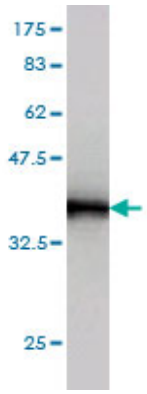
## Background

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 exocytosis and endocytosis.

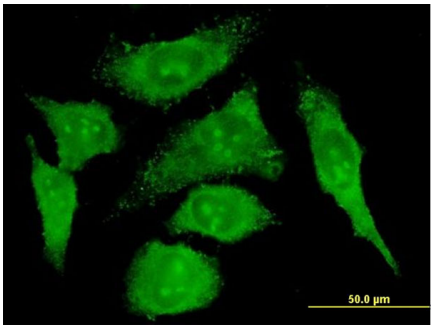
## References

Regulation of cellular actin architecture by S100A10. Jung MJ, et al. Exp Cell Res, 2010 Apr 15. PMID 20100475.Regulation of CFTR function by annexin A2-S100A10 complex in health and disease. Muimo R. Gen Physiol Biophys, 2009. PMID 20093721.The variant rs1867277 in FOXE1 gene confers thyroid cancer susceptibility through the recruitment of USF1/USF2 transcription factors. Landa I, et al. PLoS Genet, 2009 Sep. PMID 19730683.Variation in genes of the epidermal differentiation complex in German atopic dermatitis patients. Stemmler S, et al. Int J Immunogenet, 2009 Aug. PMID 19601998.Expression patterns of S100 proteins in melanocytes and melanocytic lesions. Petersson S, et al. Melanoma Res, 2009 Aug. PMID 19521263.

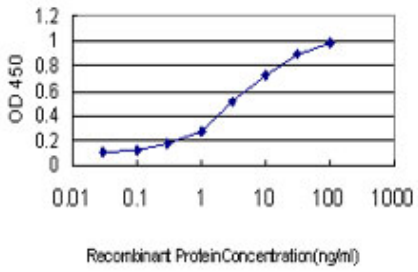
## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.41 KDa) .




Immunofluorescence of monoclonal antibody to S100A10 on HeLa cell . [antibody concentration 10 ug/ml]




Detection limit for recombinant GST tagged S100A10 is approximately 0.1ng/ml as a capture antibody.

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