

DNAxPAb

Hard-to-Find
Antibody

S100A1 DNAxPab

Catalog # H00006271-W01P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human S100A1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGSELETAMETLINVFHAHSGKEGDKYKLSKKELKELLQTELSGFLDAQKDVDVDAVDKVMKELDE NGDGEVDFQEYVVLVAALTVACNNFFWENS
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — S100A1

Entrez GeneID [6271](#)

GeneBank Accession# [NM_006271.1](#)

Protein Accession# [NP_006262.1](#)

Gene Name S100A1

Gene Alias S100, S100-alpha, S100A

Gene Description S100 calcium binding protein A1

Omim ID [176940](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000035100|S100 alpha|S100 calcium-binding protein A1|S100 protein, alpha polypeptide

Disease

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Dermatitis](#)
- [DNA Damage](#)
- [Genetic Predisposition to Disease](#)