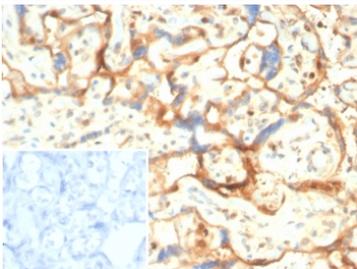


## S100A11 Antibody / S100 calcium binding protein A11 [clone S100A11/7393] (V4732)

Catalog No.	Formulation	Size
V4732-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4732-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4732SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

### Bulk quote request

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	S100A11/7393
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	P31949
<b>Localization</b>	Cytoplasm, Nucleus
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This S100A11 antibody is available for research use only.



IHC staining of FFPE human placental tissue with S100A11 antibody (clone S100A11/7393). Inset: PBS used in place of primary Ab (secondary Ab negative control).  
 HIERS: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

### Description

S100A11 is a Ca<sup>2+</sup>-binding protein of the S100 family. The proteins comprising the S-100 protein family have two EF-

hand structures per molecule of protein. Expression of these family members occurs primarily in neurons or retinal photoreceptor cells, and may also be involved in a wide variety of cellular functions including cell growth, cell-cell communication, energy metabolism and intracellular signal transduction. They have also been linked to various pathologies, including Alzheimer's disease, schizophrenia and cancer. S100A11 is highly expressed in lung tissue and is also expressed in kidney, liver, brain, heart and smooth muscle. It is an important androgen-responsive protein produced by Sertoli cells and might play a role in spermatogenesis regulation.

## **Application Notes**

Optimal dilution of the S100A11 antibody should be determined by the researcher.

## **Immunogen**

Recombinant full-length human S100A11 protein was used as the immunogen for the S100A11 antibody.

## **Storage**

Aliquot the S100A11 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.