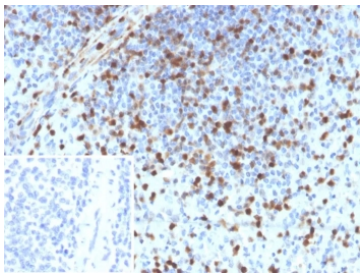
# S100A4 Antibody / FSP1 [clone S100A4/6796] (V5527)

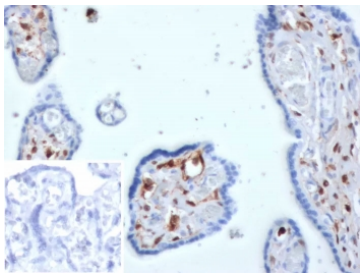
| Catalog No. | Formulation | Size |
|---|---|---|
| V5527-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V5527-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug |
| V5527SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

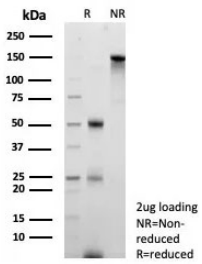
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG2c, kappa |
| **Clone Name** | S100A4/6796 |
| **Purity** | Protein A/G affinity |
| **UniProt** | P26447 |
| **Localization** | Nucleus, Cytoplasm |
| **Applications** | Immunohistochemistry (FFPE): 1-2ug/ml |
| **Limitations** | This S100A4 antibody is available for research use only. |



IHC staining of FFPE human spleen tissue with S100A4 antibody (clone S100A4/6796). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



IHC staining of FFPE human placenta tissue with S100A4 antibody (clone S100A4/6796). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.




SDS-PAGE analysis of purified, BSA-free S100A4 antibody (clone S100A4/6796) as confirmation of integrity and purity.

## Description

S100A4 belongs to the S100 super-family of proteins containing 2 EF-hand calcium-binding domains. S100 genes include at least 25 members, including S100A1-S100A18, trichohyalin, filaggrin, repetin, S100P, and S100Z. S100A4 exerts its function via direct interaction with a number of proteins including P53, P63, non-muscle myosin IIA, a6b4 integrin, and liprin b1. S100A4 is overexpressed in highly metastatic cancers, which makes it useful as a marker of tumor progression.

## Application Notes

Optimal dilution of the S100A4 antibody should be determined by the researcher.

## Immunogen

A recombinant fragment (within amino acids 1-101) of human S100A4 protein was used as the immunogen for the S100A4 antibody.

## Storage

Aliquot the S100A4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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