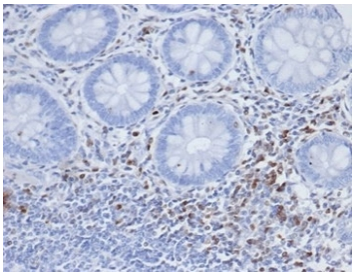
S100A4 Antibody [clone S100A4/6803] (V4048)

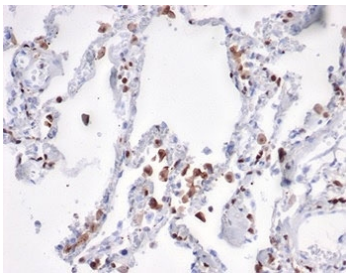
Catalog No.	Formulation	Size
V4048-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4048-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4048SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

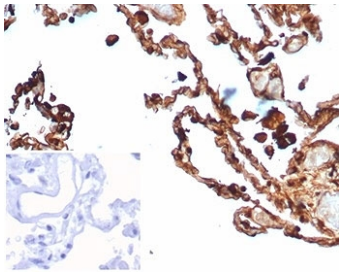
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	S100A4/6803
Purity	Protein A/G affinity
UniProt	P26447
Localization	Cytoplasm, nucleus
Applications	ELISA: order antibody without BSA for coating Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This S100A4 antibody is available for research use only.



IHC staining of FFPE human colon tissue with S100A4 antibody (clone S100A4/6803). 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 lung tissue with S100A4 antibody (clone S100A4/7096). 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 lung tissue with S100A4 antibody (clone S100A4/7096). Negative control inset: PBS used instead of primary antibody to control for secondary Ab binding. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

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, 4 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 portion of amino acids 1-200 from the 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.

Copyright © NSJ Bioreagents. All rights reserved.