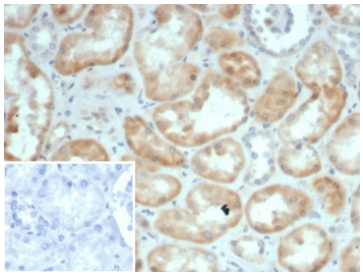
S100G Antibody / S100 calcium-binding protein G / Calbindin D9K [clone S100G/7461] (V5341)

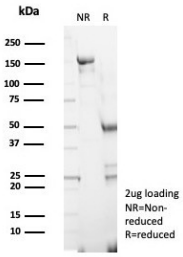
Catalog No.	Formulation	Size
V5341-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5341-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5341SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2, kappa
Clone Name	S100G/7461
Purity	Protein A/G affinity
UniProt	P29377
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This S100G antibody is available for research use only.



IHC staining of FFPE human kidney tissue with S100G antibody (clone S100G/7461). 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 S100G antibody (clone S100G/7461) as confirmation of integrity and purity.

Description

This gene encodes calbindin D9K, a vitamin D-dependent calcium-binding protein. This cytosolic protein belongs to a family of calcium-binding proteins that includes calmodulin, parvalbumin, troponin C, and S100 protein. In the intestine, the protein is vitamin D-dependent and its expression correlates with calcium transport activity. The protein may increase Ca2+ absorption by buffering Ca2+ in the cytoplasm and increase ATP-dependent Ca2+ transport in duodenal basolateral membrane vesicles. [provided by RefSeq, Jul 2008]

Application Notes

Optimal dilution of the S100G antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-79) from the human protein was used as the immunogen for the S100G antibody.

Storage

Aliquot the S100G antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.