S100G (S100 calcium binding protein G) Antibody

Mouse Monoclonal Antibody [Clone S100G/7462]

Catalog No	Format	Size
795-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
795-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
795-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

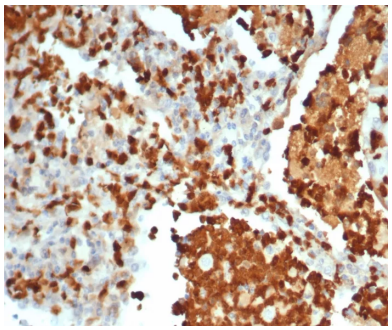
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

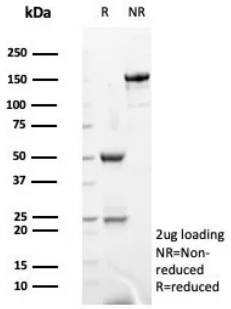
Clone	S100G/7462
Gene Name	S100G
Immunogen	Recombinant full-length human S100G protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2 / Kappa
Mol. Weight of Antigen	9kDa
Cellular Localization	Cytoplasm.
Species Reactivity	Human
Positive Control	Human intestine|stomach or kidney.

**Optimal dilution for a specific application should be determined.*

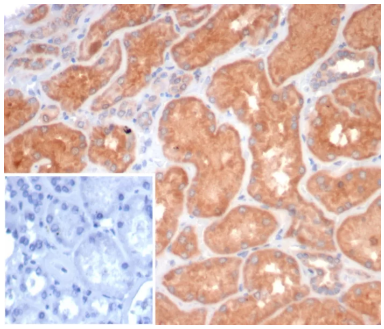
Product Images for S100G (S100 calcium binding protein G) Antibody



Formalin-fixed, paraffin-embedded human lung stained with S100G Mouse Monoclonal Antibody (S100G/7462). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified S100G Mouse Monoclonal Antibody (S100G/7462). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human kidney stained with S100G Mouse Monoclonal Antibody (S100G/7462). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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]

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.