

Product Name: S100G Rabbit Polyclonal Antibody**Catalog #: APRab17475**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	IHC,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio IHC 1:50-1:200,ELISA 1:5000-1:20000

Molecular Weight

Antigen Information

Gene Name	S100G
Alternative Names	Protein S100-G (Calbindin-D9k;S100 calcium-binding protein G;Vitamin D-dependent calcium-binding protein, intestinal;CABP)
Gene ID	795.0
SwissProt ID	P29377
Immunogen	Synthesized peptide derived from human S100G AA range: 1-80

Background

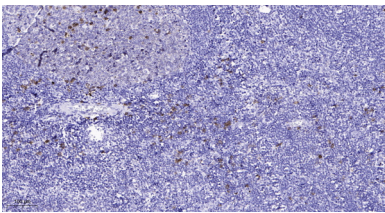
This gene encodes calbindin D9K, a vitamin D-dependent calcium-binding protein. This cytosolic protein belongs to a family of

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 Ca^{2+} absorption by buffering Ca^{2+} in the cytoplasm and increase ATP-dependent Ca^{2+} transport in duodenal basolateral membrane vesicles. [provided by RefSeq, Jul 2008],similarity:Belongs to the S-100 family.,similarity:Contains 2 EF-hand domains.,

Research Area

Signal Transduction; Signaling Pathway; Calcium Signaling; Calcium Binding Proteins

Image Data



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200 (4° overnight) . 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200 (room temperature, 45min) .