

S100G Polyclona Antibody

Cat No.: ES13277

For research use only

Overview

Product Name S100G Polyclona Antibody

Host species Rabbit
Applications IHC; ELISA

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions IHC-p 1:50-200, ELISA(peptide)1:5000-20000

Immunogen Synthesized peptide derived from human S100G AA

range: 1-80

Specificity This antibody detects endogenous levels of human

S100G

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name S100G

Gene Name S100G CABP9K CALB3 S100D

Cellular localization basolateral plasma membrane, apical plasma

membrane,

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal Concentration 1 mg/ml

Observed band

Human Gene ID 795 Human Swiss-Prot Number P29377

Alternative Names Protein S100-G (Calbindin-D9k;S100 calcium-binding

protein G; Vitamin D-dependent calcium-binding

protein, intestinal; CABP)

Background This gene encodes calbindin D9K, a vitamin

D-dependent calcium-binding protein. This cytosolic

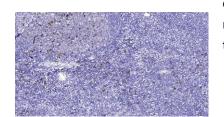
protein belongs to a family of calcium-binding proteins that includes calmodulin, parvalbumin, troponin C, and S100 protein. In the intestine, the protein is vitamin D-dependent and its expression



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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],



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).



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