

# 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





correlates with calcium transport activity. The protein may increase  $\text{Ca}^{2+}$  absorption by buffering  $\text{Ca}^{2+}$  in the cytoplasm and increase ATP-dependent  $\text{Ca}^{2+}$  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).

