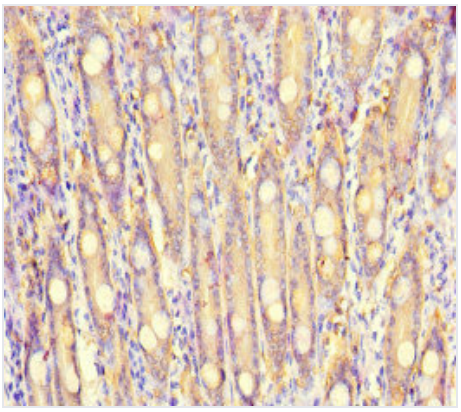
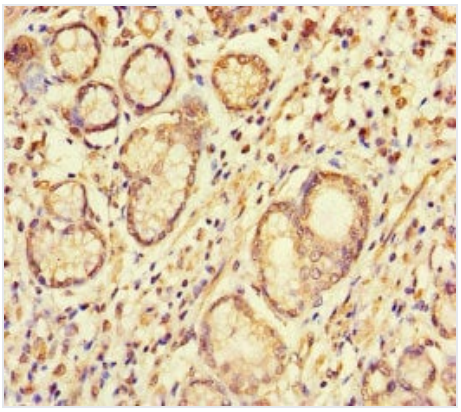
S100G Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

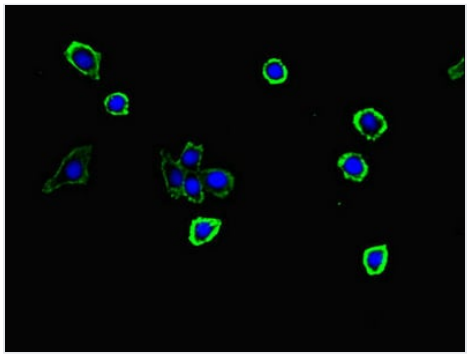
Product Name	S100G, Polyclonal Antibody
Full Product Name	S100G Antibody
Product Gene Name	anti-S100G antibody
Product Synonym Names	Protein S100-G; Calbindin-D9k; S100 calcium-binding protein G; Vitamin D-dependent calcium-binding protein; intestinal; CABP; S100G; CABP9K; CALB3; S100D
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: S100G (MBS7043662) FITC Conjugated Antibody: S100G (MBS7043747)
Matching Pairs	Unconjugated Antibody: S100G (MBS7043662) Biotin Conjugated Antibody: S100G (MBS7044131)
Matching Pairs	Unconjugated Antibody: S100G (MBS7043662) HRP Conjugated Antibody: S100G (MBS7046007)
Molecular Weight	9,016 Da
OMIM	302020
3D Structure	ModBase 3D Structure for P29377
Species	Human
Immunogen	Recombinant human Protein S100-G protein
Conjugate	Non-conjugated
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-18036 / sc-28532
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-S100G antibody	ELISA (EIA), Immunohistochemistry (IHC), Immunofluorescence (IF)
Related Product Information for anti-S100G antibody	MBS7043662 is an antibody targeting S100G. Also known as S100G Antibody. Reactive in Human. Host: Rabbit. calcium ion binding
Other Notes	Small volumes of anti-S100G antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-S100G antibody
Immunohistochemistry of paraffin-embedded human small intestine tissue using MBS7043662 at dilution of 1:100



Immunohistochemistry (IHC) of anti-S100G antibody
Immunohistochemistry of paraffin-embedded human gastric cancer using MBS7043662 at dilution of 1:100



Immunohistochemistry (IHC) of anti-S100G antibody
Immunofluorescent analysis of HepG2 cells using MBS7043662 at a dilution of 1:100 and Alexa Fluor 488-congugated AffiniPure Goat Anti-Rabbit IgG(H+L)

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S100G. It may not necessarily be applicable to this product.

NCBI GI #	4757898
NCBI GeneID	795
NCBI Accession #	NP_004048.1
UniProt Primary Accession #	P29377
UniProt Secondary Accession #	Q5JS49
UniProt Related Accession #	P29377
GenBank Nucleotide #	NM_004057.2
NCBI Official Full Name	protein S100-G
NCBI Official Synonym Full Names	S100 calcium binding protein G
NCBI Official Symbol	S100G
NCBI Official Synonym Symbols	CABP; CABP1; CALB3; CABP9K
UniProt Protein Name	Protein S100-G
UniProt Synonym Protein Names	Calbindin-D9k; S100 calcium-binding protein G; Vitamin D-dependent calcium-binding protein, intestinal; CABP
Protein Family	Protein
UniProt Gene Name	S100G

UniProt Synonym Gene Names	CABP9K; CALB3; S100D; CABP
UniProt Entry Name	S100G_HUMAN
NCBI Protein Information	protein S100-G
NCBI Summary for S100G	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]
UniProt Comments for S100G	S100G: 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] Chromosomal Location of Human Ortholog: Xp22.2
Research Articles on S100G	**1.** Addition of short-chain fatty acids to cultured Caco-2 cells results in elevation of calbindin-D9k mRNA.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/s100g/7043662