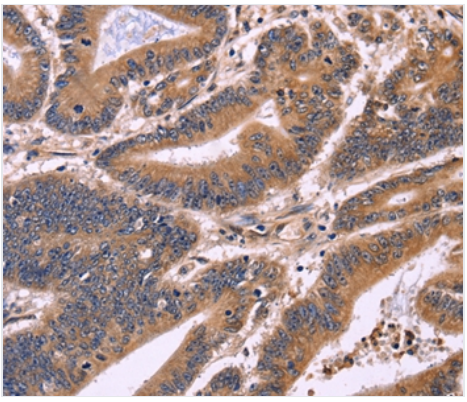
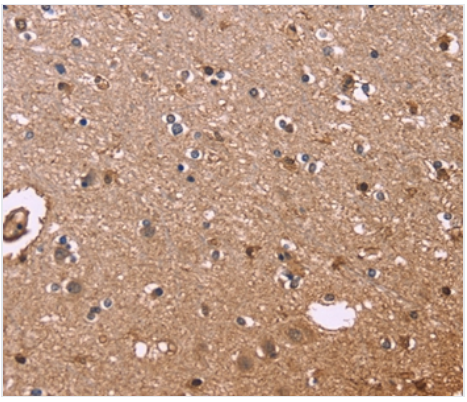
S100A13 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	S100A13, Polyclonal Antibody
Full Product Name	S100A13 Antibody
Product Gene Name	anti-S100A13 antibody
Product Synonym Names	Protein S100-A13; S10AD; S100 calcium binding protein A13
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Rabbit IgG in pH7.3 PBS, 0.05% NaN3, 50% Glycerol.
Purity/Purification	Antigen affinity purification.
Concentration	1.9 mg/ml (lot specific)
Specificity	The antibody detects endogenous levels of total S100A13 protein.
Preparation and Storage	Store at -20 degree C
Molecular Weight	11,471 Da
OMIM	601989
3D Structure	ModBase 3D Structure for Q99584
Immunogen Type	Recombinant Protein
Immunogen Description	Full length fusion protein
Target Name	S100A13
Product Categories/Family for anti-S100A13 antibody	Total protein Ab
Applications Tested/Suitable for anti-S100A13 antibody	Immunohistochemistry (IHC)
Application Notes for anti-S100A13 antibody	Immunohistochemistry: 1:50-1:200
Related Product Information for anti-S100A13 antibody	The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein is widely expressed in various types of tissues with a high expression level in thyroid gland. In smooth muscle cells, this protein co-expresses with other family members in the nucleus and in stress fibers, suggesting diverse functions in signal transduction. Multiple alternatively spliced transcript variants encoding the same protein have been found for this gene.
Other Notes	Small volumes of anti-S100A13 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.
Searchable Terms for S100A13 purchase	MBS9412687 is an antibody targeting S100A13. Also known as S100A13 Antibody. Reactive in Human. Host: Rabbit.



Immunohistochemistry (IHC) of anti-S100A13 antibody
Immunohistochemical analysis of paraffin-embedded Human colon cancer tissue using at dilution 1/40.



Immunohistochemistry (IHC) of anti-S100A13 antibody
Immunohistochemical analysis of paraffin-embedded Human brain tissue using at dilution 1/40.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for S100A13. It may not necessarily be applicable to this product.

NCBI GI #	66737368
NCBI GeneID	6284
NCBI Accession #	NP_001019381.1
UniProt Primary Accession #	Q99584
UniProt Secondary Accession #	Q52PI9; Q6FGF8
UniProt Related Accession #	Q99584
GenBank Nucleotide #	NM_001024210.1
NCBI Official Full Name	protein S100-A13
NCBI Official Synonym Full Names	S100 calcium binding protein A13
NCBI Official Symbol	S100A13
UniProt Protein Name	Protein S100-A13
UniProt Synonym Protein Names	S100 calcium-binding protein A13
Protein Family	Protein
UniProt Gene Name	S100A13
UniProt Entry Name	S10AD_HUMAN
NCBI Protein Information	protein S100-A13

UniProt Comments for S100A13	S100A13: Plays a role in the export of proteins that lack a signal peptide and are secreted by an alternative pathway. Binds two calcium ions per subunit. Binds one copper ion. Binding of one copper ion does not interfere with calcium binding. Required for the copper-dependent stress-induced export of IL1A and FGF1. The calcium-free protein binds to lipid vesicles containing phosphatidylserine, but not to vesicles containing phosphatidylcholine. Belongs to the S-100 family. Chromosomal Location of Human Ortholog: 1q21 Cellular Component: extracellular space; mast cell granule; perinuclear region of cytoplasm; cytoplasm; cytosol; nucleus Molecular Function: RAGE receptor binding; protein binding; fibroblast growth factor binding; protein homodimerization activity; copper ion binding; zinc ion binding; calcium ion binding; lipid binding Biological Process: regulation of cell shape; positive regulation of I-kappaB kinase/NF-kappaB cascade; response to copper ion; interleukin-1 alpha secretion; positive regulation of cell proliferation; mast cell degranulation; response to electrical stimulus; cytokine secretion
Research Articles on S100A13	**1.** S100A13 interacts with the C2 domain of RAGE.
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