

Product datasheet for **TA381217S**

S100A5 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	WB, 1:500 - 1:2000 IHC-P, 1:100 - 1:200 ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Reactivity:	Human
Modifications:	Unmodified
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Formulation:	Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.
Concentration:	lot specific
Purification:	Affinity purification
Conjugation:	Unconjugated
Storage:	Store at -20°C. Avoid freeze / thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	11kDa
Gene Name:	S100 calcium binding protein A5
Database Link:	Entrez Gene 6276 Human P33763



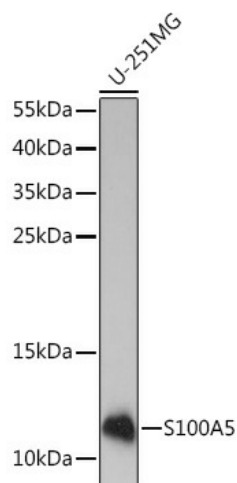
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Background:

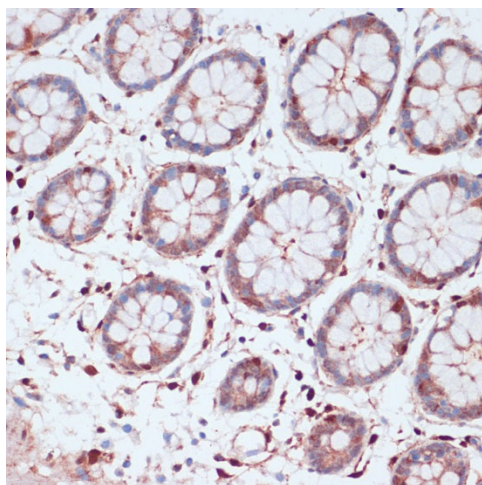
The protein encoded by this gene is a member of the S100 family of proteins containing 2 EF-hand calcium-binding motifs. S100 proteins are localized in the cytoplasm and/or nucleus of a wide range of cells, and involved in the regulation of a number of cellular processes such as cell cycle progression and differentiation. S100 genes include at least 13 members which are located as a cluster on chromosome 1q21. This protein has a Ca^{2+} affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn^{2+} and Cu^{2+} , and Cu^{2+} strongly which impairs the binding of Ca^{2+} . This protein is expressed in very restricted regions of the adult brain.

Synonyms:

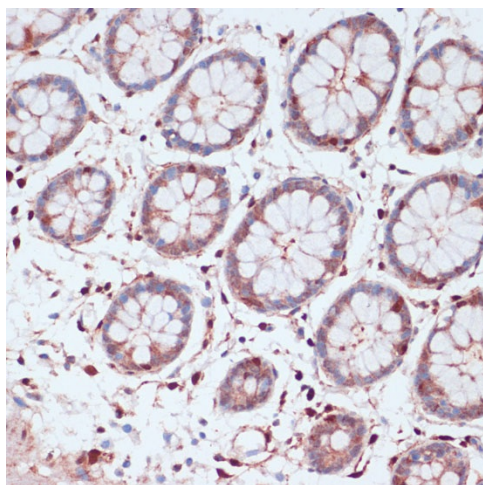
S100D

Product images:


Western blot analysis of lysates from U-251MG cells



Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer using S100A5 Rabbit pAb ([TA381217]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human colon using S100A5 Rabbit pAb ([TA381217]) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.