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anti-S100A5 antibody





Overview

Quantity:	200 μL
Target:	S100A5
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This S100A5 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein of human S100A5 (NP_002953.2).
Isotype:	IgG
Characteristics:	Polyclonal Antibody
Purification:	Affinity purification

Target Details

Target:	S100A5
Alternative Name:	S100A5 (S100A5 Products)
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

Target Details

located as a cluster on chromosome 1q21. This protein has a Ca2+ affinity 20- to 100-fold higher than the other S100 proteins studied under identical conditions. This protein also binds Zn2+ and Cu2+, and Cu2+ strongly which impairs the binding of Ca2+. This protein is expressed in very restricted regions of the adult brain.

Gene ID: 6276

UniProt: P33763

Pathways: S100 Proteins

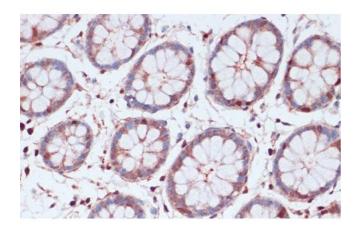
Application Details

Application Notes: IHC 1:100-1:200

Restrictions: For Research Use only

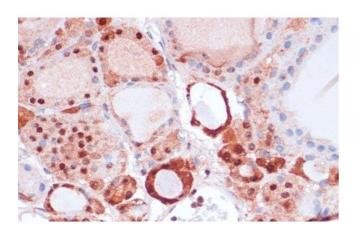
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS with 0.02 % sodium azide, 50 % glycerol, pH 7.3
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Immunohistochemistry of paraffin-embedded Human colon using S100A5 Polyclonal Antibody at dilution of 1:100 (40x lens).



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Immunohistochemistry of paraffin-embedded Human thyroid cancer using S100A5 Polyclonal Antibody at dilution of 1:100 (40x lens).