

## S100A1 Antibody

Catalog No: #35908

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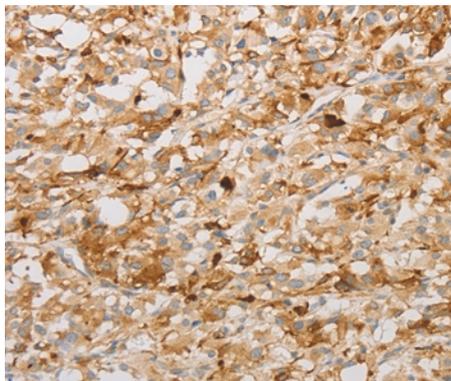
## Description

Product Name	S100A1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total S100A1 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human S100 calcium binding protein A1
Target Name	S100A1
Other Names	S100; S100A; S100-alpha
Accession No.	Swiss-Prot#: P23297NCBI Gene ID: 6271Gene Accssion: BC014392
Uniprot	P23297
GeneID	6271;
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

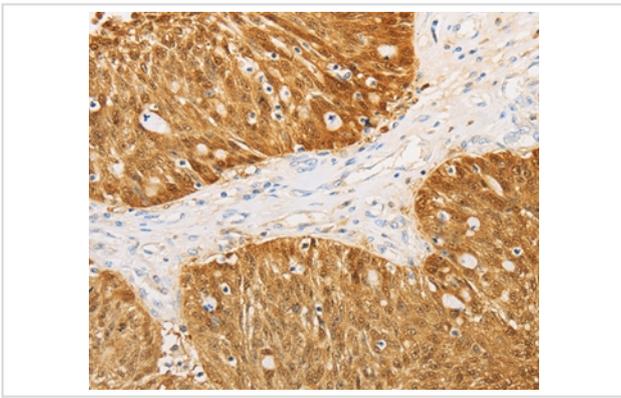
## Application Details

Immunohistochemistry: 1:25-1:100

## Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #35908 at dilution 1/20.



Immunohistochemical analysis of paraffin-embedded Human ovarian cancer tissue using #35908 at dilution 1/20.

## 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 may function in stimulation of  $Ca^{2+}$ -induced  $Ca^{2+}$  release, inhibition of microtubule assembly, and inhibition of protein kinase C-mediated phosphorylation. Reduced expression of this protein has been implicated in cardiomyopathies.

Note: This product is for in vitro research use only