



# Rabbit Anti-Human S100A2 Polyclonal Antibody (CABT-L2181)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Polyclonal Antibody to S100 Calcium Binding Protein A2 (Knockout Validated)
<b>Specificity</b>	The antibody is a rabbit polyclonal antibody raised against S100A2. It has been selected for its ability to recognize S100A2 in immunohistochemical staining and western blotting.
<b>Target</b>	S100A2
<b>Immunogen</b>	Recombinant fragment corresponding to human S100A2 (Met2~Pro98)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB
<b>Format</b>	Liquid
<b>Concentration</b>	Lot specific
<b>Size</b>	200 µg
<b>Buffer</b>	Supplied as solution form in 0.01M PBS with 50% glycerol, pH7.4.
<b>Preservative</b>	0.05% Proclin-300

<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 4°C for frequent use. Aliquot and store at -20°C for 12 months.
<b>Ship</b>	4°C with ice bags

## BACKGROUND

<b>Introduction</b>	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 have a tumor suppressor function. Chromosomal rearrangements and altered expression of this gene have been implicated in breast cancer. [provided by RefSeq, Jul 2008]
<b>Keywords</b>	S100-A2;CAN19;S100L

## GENE INFORMATION

<b>Gene Name</b>	S100A2 S100 calcium binding protein A2 [ Homo sapiens (human) ]
<b>Official Symbol</b>	S100A2
<b>Synonyms</b>	S100A2; S100 calcium binding protein A2; CAN19; S100L; protein S100-A2; S100 calcium-binding protein A2;
<b>Entrez Gene ID</b>	<a href="#">6273</a>
<b>Protein Refseq</b>	NP_005969
<b>UniProt ID</b>	<a href="#">P29034</a>
<b>Chromosome Location</b>	1q21
<b>Pathway</b>	Direct p53 effectors;
<b>Function</b>	calcium ion binding; identical protein binding; protein binding;