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S100 alpha 2 Rabbit pAb

Catalog # AP96322

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P29034.3
Other Accession	P29034.3
Predicted	Rat, Pig, Cat, Human, Mouse, Goat, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	11 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human S100 alpha 2
Epitope Specificity	20-98/98
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the S-100 familyContains 2 EF-hand domains.
SUBUNIT	Homodimer. Interacts with FKBP4.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	The protein encoded by this gene is a member of the S100family of proteins containing 2 EF-hand calcium-binding motifs.S100 proteins are localized in the cytoplasm and/or nucleus of awide range of cells, and involved in the regulation of a number ofcellular processes such as cell cycle progression anddifferentiation. S100 genes include at least 13 members which arelocated as a cluster on chromosome 1q21. This protein may have atumor suppressor function. Chromosomal rearrangements and alteredexpression of this gene have been implicated in breast cancer.

Additional Information

Gene ID	6273
Other Names	CAN19; S100L; S100 calcium binding protein A2; S100 calcium-binding protein A2
Target/Specificity	A subset of epithelial cells including normalhuman mammary epithelial cells and keratinocytes.
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	S100 alpha 2 Rabbit pAb
Function	May act as a modulator against excess calciumaccumulation in normal human mammary epithelial cells. May alsoplay a role in suppressing tumor cell growth.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.