



Rabbit Anti-Human S100P monoclonal antibody, clone KG06-19 (CABT-L894)

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

PRODUCT INFORMATION

Target	S100P
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	KG06-19
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC/IF, IHC, IP
Molecular Weight	10 kDa
Cellular Localization	Nucleus, Cytoplasm, Cell projection.
Positive Control	Hela, HepG2, human colon cancer tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	S-100 proteins are small dimeric members of the EF-Hand superfamily that participate in moderating intracellular calcium signals by binding to and regulating specific proteins in a calcium-dependent manner. S-100P is a survival factor that is associated with different types of tumors and can bind and regulate effector proteins. R1881, a synthetic androgen, regulates S-100P expression. S-100P interacts with a receptor for advanced glycation end products (RAGE) and activates it, thereby increasing the rates of cell growth, division, migration and invasion. This suggests that S-100P acts in an auto-crine manner through RAGE to trigger cell proliferation and survival. S-100P may also positively affect anchorage-independent growth to improve tumor formation. S-100P monomers strongly interact with one another, but not with other S-100 polypeptides, suggesting that homodimer formation is necessary for S-100P to function. The S-100P dimers are then stabilized by hydrophobic contacts.
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Keywords	MIG9;Migration inducing gene 9;Protein S100-E;Protein S100-P;Protein S100P;S100 calcium binding protein P;S100 calcium-binding protein P;S100 P;S100E;S100P;S100P_HUMAN antibody
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GENE INFORMATION

Entrez Gene ID	6286
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UniProt ID	P25815
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