



Rabbit Anti-Human S100B Monoclonal Antibody, clone CQ7199 (CABT-Z253R)

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

PRODUCT INFORMATION

Immunogen	Synthetic peptide corresponding to residues within aa50-150 of S100 was used as an immunogen.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	CQ7199
Purification	ProA affinity purified IgG.
Conjugate	Unconjugated
Applications	IHC-P Recommended concentration: IHC-P: 1:100-1:200
Molecular Weight	21 kDa
Cellular Localization	Cytoplasm, Nuclears
Positive Control	Melanoma
Format	Liquid
Concentration	Lot specific
Size	100 µl

Buffer	PBS 59%, Sodium azide 0.01%, Glycerol 40%, BSA 0.05%.
Preservative	0.01% Sodium azide
Storage	Store at -20 °C. Avoid freeze/thaw cycles.
Ship	Wet ice

BACKGROUND

Introduction	S100 is a 21kDa highly acidic and water soluble protein, which is expressed in a wide variety of normal and neoplastic cells of mesodermal, neuroectodermal, and epithelial origin. The protein is a dimer, having two subunits, alpha and beta, with extensive sequence homology. There are 3 forms of S-100 protein: alpha-alpha, known as S-100A0; alpha-beta, known as S-100A and beta-beta, known as S-100B. The immunohistochemical evaluation of S-100 (beta) protein expression is important in the diagnosis of undifferentiated malignant tumours of unknown primary origin and should be included in the so-called primary panel. S100 is a very sensitive marker for malignant melanoma of all types. S100 may be used in the differential diagnosis of sarcomas and spindle cell tumours.
Keywords	S100B; S100 calcium binding protein B; NEF; S100; S100-B; S100beta; protein S100-B; S-100 protein subunit beta; S-100 calcium-binding protein, beta chain; S100 calcium-binding protein, beta (neural)

GENE INFORMATION

Gene Name	S100B
Entrez Gene ID	6285
UniProt ID	P04271