



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

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|------------------------------|---|
| 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, Nucleus |
| Positive Control | Melanoma |
| Format | Liquid |
| Concentration | Lot specific |
| Size | 100 µl |

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|---------------------|---|
| 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

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| 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

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|-----------------------|------------------------|
| Gene Name | S100B |
| Entrez Gene ID | 6285 |
| UniProt ID | P04271 |