

Product datasheet

Anti-S100 beta antibody (Biotin) ab105371

★☆☆☆☆ 1 Abreviews

Overview

Product name	Anti-S100 beta antibody (Biotin)
Description	Rabbit polyclonal to S100 beta (Biotin)
Host species	Rabbit
Conjugation	Biotin
Tested applications	Suitable for: WB, IP, RIA, ELISA
Species reactivity	Reacts with: Human
Immunogen	Human S100 beta protein purified from Human plasma.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS, pH 7.5
Purity	Protein G purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab105371** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★☆☆☆☆	Use at an assay dependent concentration. Predicted molecular weight: 11 kDa.
IP		Use at an assay dependent concentration.
RIA		Use at an assay dependent concentration.

Application	Abreviews	Notes
ELISA		Use at an assay dependent concentration.

Target

Function	Weakly binds calcium but binds zinc very tightly-distinct binding sites with different affinities exist for both ions on each monomer. Physiological concentrations of potassium ion antagonize the binding of both divalent cations, especially affecting high-affinity calcium-binding sites. Binds to and initiates the activation of STK38 by releasing autoinhibitory intramolecular interactions within the kinase. Interaction with AGER after myocardial infarction may play a role in myocyte apoptosis by activating ERK1/2 and p53/TP53 signaling.
Tissue specificity	Although predominant among the water-soluble brain proteins, S100 is also found in a variety of other tissues.
Sequence similarities	Belongs to the S-101 family. Contains 2 EF-hand domains.
Cellular localization	Cytoplasm. Nucleus.

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