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EB10151 - Goat Anti-Desmoplakin (aa 1672 -1684) Antibody

Size: 100µg specific antibody in 200µl

Target Protein

Principal Names: 250kDa paraneoplastic pemphigus antigen, desmoplakin, desmoplakin I, DPI, DSP Official Symbol: DSP Accession Number(s): NP_004406.2 Human GenelD(s): 1832 Non-Human GenelD(s): 109620 (mouse), 306871 (rat) Important Comments: This antibody is expected to recognize reported isoform I (NP_004406.2) only.

Immunogen

Peptide with sequence C-QESVKQAHLRNEH, from the internal region of the protein sequence according to NP_004406.2.

Please note the peptide is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.

Aliquot and store at -20°C. Minimize freezing and thawing.

Applications Tested

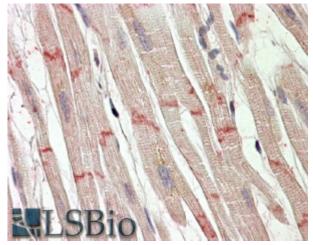
Peptide ELISA: antibody detection limit dilution 1:4000.

Western blot: Preliminary experiments in lysates of cell lines HEK293, HeLa and NIH3T3 gave no specific signal but low background (at antibody concentration up to 1µg/ml). We would appreciate any feedback from people in the field - have any results been reported with other antibodies/lysates?

IHC: In paraffin embedded Human Heart shows staining of the junctons between cardiomuscular fibres. Recommended concentration, 3-6µg/ml.

Species Reactivity

Tested: Human Expected from sequence similarity: Human, Mouse, Rat



EB10151 (3.8µg/ml) staining of paraffin embedded Human Heart. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.