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EB12278 - Goat Anti-NELL2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: NELL2, NEL-like 2 (chicken), NRP2, NEL-like protein 2, NEL-related protein 2, neural epidermal growth factor-like 2, protein kinase C-binding protein NELL2 **Official Symbol:** NELL2

Accession Number(s): NP_001138579.1; NP_006150.1; NP_001138581.1; NP_001138582.1

Human GeneID(s): 4753

Non-Human GeneID(s): 54003 (mouse), 81734 (rat)

Important Comments: This antibody is expected to recognize all reported isoforms (NP_001138579.1; NP_006150.1; NP_001138581.1; NP_001138582.1). Reported variants represent identical protein: NP_001138580.1, NP_006150.1.

Immunogen

Peptide with sequence DPCQADTIRNDITKT, from the internal region (near C terminus) of the protein sequence according to NP_001138579.1; NP_006150.1; NP_001138581.1; NP_001138582.1.

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 1:64000.

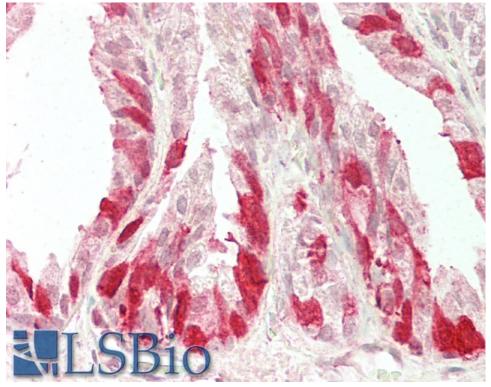
Western blot: Preliminary experiments gave an approx 80kDa band in Human Brain (cortex and hippocampus) lysates after 0.5µg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 94.7kDa for the mature form (aa22-866) according to NP_001138579.1 and 88.8kDa (aa22-816) according to NP_001138580.1. The 80kDa band was successfully blocked by incubation with the immunizing peptide.

IHC: Paraffin embedded Human Prostate. Recommended concentration: 5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog, Pig, Cow



EB12278 (5µg/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.