

#### International Office

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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 GenelD(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.

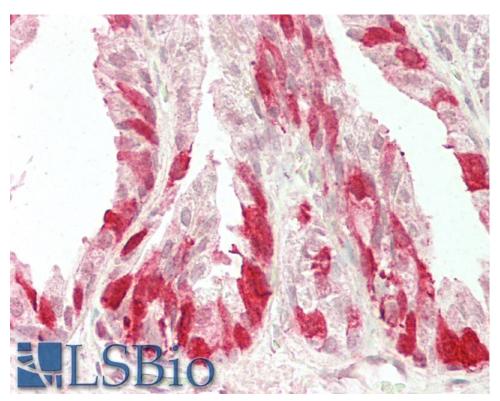
**Western blot:** Preliminary experiments gave an approx 80kDa band in Human Brain (cortex and hippocampus) lysates after 0.5μg/ml antibody staining. Please note that currently we cannot find an explanation in the literature for the band we observe given the calculated size of 94.7kDa for the mature 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 (5 $\mu$ g/ml) staining of paraffin embedded Human Prostate. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.