# **PRODUCT INFORMATION**

Catalog number ATGA0198

Clone No. AT13E7

**Product type** Monoclonal Antibody

**UnitProt No.** Q99435

NCBI Accession No. NP\_006150

### **Alternative Names**

Mel91, MEL91 protein, NEL-like protein 2, Nel-related protein 2, NRP2, Protein kinase C-binding protein NELL2

# **PRODUCT SPECIFICATION**

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

### Immunogen

Recombinant human NELL2 (30-258aa) purified from E. coli

# Isotype

lgG2b kappa

**Purification Note** By protein-G affinity chromatography

### Application

ELISA,WB

### Usage

The antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500. Recommended starting dilution is 1:500

#### Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

#### Description

Protein kinase C-binding protein, NELL2 is expressed abundantly in neural tissues and may play important roles in the development of neural tissues. Also, NELL protein contains six epidermal growth factor (EGF) -like repeat domains that participate in calcium binding.

#### **General References**

Kuroda S, et al. (1999) Biochem. Biophys. Res. Commun. 265 (1): 79-86. Luce MJ, Burrows PD. (1999) Gene 231 (1-2): 121-6. Watanabe TK, et al. (1997). Genomics 38 (3): 273-6.

### DATA

#### Western blot analysis (WB)



Arrow: NELL2 intact form Arrow head: NELL2 cleavage form



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human NELL2 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.