# NKMAXBio We support you, we believe in your research

# **Human Calbindin 2/CALB2 antibody**

Catalog Number: ATGA0435

# **PRODUCT INFORMATION**

## Catalog number

ATGA0435

#### Clone No.

AT5C5

## **Product type**

Monoclonal Antibody

#### UnitProt No.

P22676

#### **NCBI Accession No.**

AAH15484

# **Alternative Names**

CR, Calretinin, CALB2, CAL2, CAB29, 29 kDa calbindin

## **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 CALB2 (1-271aa) purified from E. coli

#### Isotype

IgG1 kappa

### **Purification Note**

By protein-A affinity chromatography

# **Application**

ELISA, WB, ICC/IF

#### Usage

The antibody has been tested by ELISA, Western blot and ICC/IF analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.

#### **Storage**



# NKMAXBio We support you, we believe in your research

# **Human Calbindin 2/CALB2 antibody**

Catalog Number: ATGA0435

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**

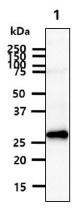
CALB2 is an intracellular calcium-binding protein belonging to the troponin C superfamily. Members of this protein family have six EF-hand domains which bind calcium. This protein plays a role in diverse cellular functions, including message targeting and intracellular calcium buffering. It also functions as a modulator of neuronal excitability, and is a diagnostic marker for some human diseases, including Hirschsprung disease and some cancers.

#### **General References**

Rogers JH., et al. (1987) J Cell Biol. 105(3): 1343-1353. Dreher B., et al. (1996) J. Comp. Neurol. 376(2): 223-40.

## **DATA**

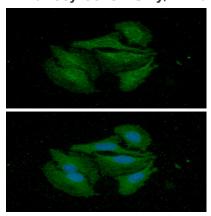
# Western blot analysis (WB)



The tissue lysate (40ug) was resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human CALB2 antibody (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1.: Mouse brain tissue lysate

## Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of CALB2 in HeLa cells. The cell was stained with ATGA0333 (1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

