# NKMAXBIO We support you, we believe in your research

## **Human RKIP/PEBP1 antibody**

Catalog Number: ATGA0456

## **PRODUCT INFORMATION**

## Catalog number

ATGA0456

#### Clone No.

AT4B11

## **Product type**

Monoclonal Antibody

#### UnitProt No.

P30086

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

NP 002558

#### **Alternative Names**

Phosphatidylethanolamine binding protein 1, PBP, Prostatic binding protein, RKIP, HCNP, HCNPpp, PEBP, Raf kinase inhibitory protein, Hippocampal cholinergic neurostimulating peptide

## **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 PEBP1 (1-187aa) purified from E. coli

## Isotype

IgG2b 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.



# NKMAXBIO We support you, we believe in your research

## **Human RKIP/PEBP1 antibody**

Catalog Number: ATGA0456

## **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**

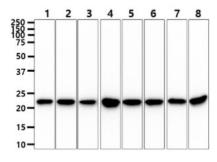
Phosphatidylethanolamine binding protein 1 (PEBP1), also known as Raf kinase inhibitor protein (RKIP), is a member of the phosphatidylethanolamine-binding protein family and a serine protease inhibitor which inhibits thrombin, neuropsin. PEBP1 plays a pivotal modulatory role in several protein kinase signaling cascades. Protein kinase C (PKC) phosphorylates PEBP1, resulting in release of Raf-1 and activation of MEK and ERK. Expressed in many tissues, PEBP1 is implicated in the regulation of such physiological processes as membrane biosynthesis, spermatogenesis, neural development, and metastasis suppression.

#### **General References**

Keller ET., et al. (2004) Biochem Pharmacol. 68(6): 1049-53. Park S., et al. (2005) Oncogene. 24(21): 3535-40.

#### **DATA**

## Western blot analysis (WB)



The cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human PEBP1 antibody (1:1000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

Lane 1 : HeLa cell lysate Lane 2 : SKOV3 cell lysate Lane 3 : A549 cell lysate Lane 4 : HepG2 cell lysate Lane 5 : MCF7 cell lysate Lane 6 : K562 cell lysate Lane 7 : LnCap cell lysate Lane 8 : Ramos cell lysate

## Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of PEBP1 in HeLa cells line, monoclonal anti-human PEBP1 antibody (1:100) stained with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).

