



Rabbit anti CNPY4 Polyclonal Antibody

Alternative Name(s): canopy FGF signaling regulator 4, PRAT4B

Order Information

- **Description:** CNPY4
- **Catalogue:** 630-320
- **Lot:** See label
- **Size:** 100ug/200ul
- **Host:** Rabbit
- **Clone:** nan
- **Application:** IHC(P), WB
- **Reactivity:** Hu, Ms, Rt,

ANTIGEN PREPARATION

A synthetic peptides close to C-terminus of human CNPY4 protein. This sequence is identical among human, rat and mouse.

BACKGROUND

CNPY4, canopy FGF signaling regulator 4, also called PRotein Associated with Tlr4 (PRAT4B), regulates cell surface expression of Toll-like receptor 4 (TLR4). CNPY4 has a signal peptide followed by a mature peptide. It is associated with the hypoglycosylated, immature form of TLR4. Downregulation of PRAT4B mRNA with small interfering RNA decreased cell surface TLR4 on HEK293 cells. These results suggest a novel mechanism regulating the subcellular distribution of TLR4.

PURIFICATION

The Rabbit IgG is purified by site-modified Epitope Affinity Purification.

FORMULATION

This affinity purified antibody is supplied in sterile Phosphatebuffered saline (pH7.2) containing antibody stabilizer

SPECIFICITY

This antibody recognizes human PINK1 (pT257) protein with a phosphorylation site Threonine T257. It cross reacts to human, mice and rat.

STORAGE

The antibodies are stable for 24 months from date of receipt when stored at -20°C to -70°C . The antibodies can be stored at 2°C - 8°C for three month without detectable loss of activity. Avoid repeated freezing-thawing cycles.

APPLICATIONS/SUGGESTED WORKING DILUTIONS*

- Western Blot: 0.1-1 $\mu\text{g/ml}$
- ELISA: 0.01-0.1 $\mu\text{g/ml}$
- Immunoprecipitation: 2-5 $\mu\text{g/ml}$
- IHC: 2-10 $\mu\text{g/ml}$
- Flow cytometry: Not tested
- Molecular Weight: 28.0
- Positive Control: Kidney Tissue
- Cellular Location: Cell Membrane

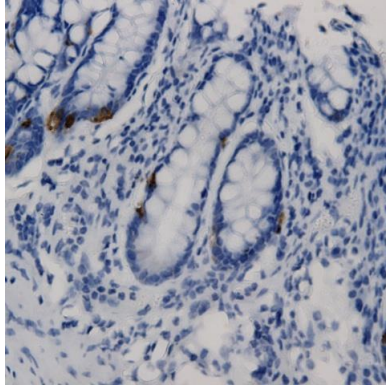
*Optimal dilutions should be determined by researchers for the specific applications.

FOR RESEARCH USE ONLY.

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DATA ATTACHMENTS



Immunohistochemistry: Mouse kidney (FFPE) stained with Rabbit anti-CNPY4 (Cat# 630-320) at 1:200 for 10 min @ RT. Staining of formalin-fixed tissue requires boiling tissue sections in 10 mM Citrate Buffer, pH 6.0 for 10 min followed by cooling at RT for 20 min.

REFERENCES

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