

PACO20474

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:1000-1:2000, WB:1:200-1:1000,  
IHC:1:25-1:100

**Protein Background:**

Functions as a cation channel involved in fluid-flow mechanosensation by the primary cilium in renal epithelium. Functions as outward-rectifying K(+) channel, but is also permeable to Ca(2+), and to a much lesser degree also to Na(+). May contribute to the release of Ca(2+) stores from the endoplasmic reticulum. Together with TRPV4, forms mechano- and thermosensitive channels in cilium. PKD1 and PKD2 may function through a common signaling pathway that is necessary to maintain the normal, differentiated state of renal tubule cells. Acts as a regulator of cilium length, together with PKD1. The dynamic control of cilium length is essential in the regulation of mechanotransductive signaling. The cilium length response creates a negative feedback loop whereby fluid shear-mediated deflection of the primary cilium, which decreases intracellular cAMP, leads to cilium shortening and thus decreases flow-induced signaling.

**Gene ID:**

SLC16A8

**Uniprot**

O95907

**Synonyms:**

solute carrier family 16 (monocarboxylate transporter), member 8

**Immunogen:**

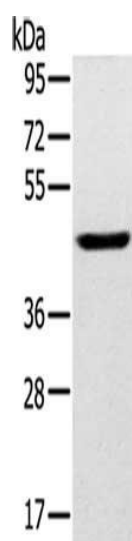
Synthetic peptide of human SLC16A8.

**Storage:**

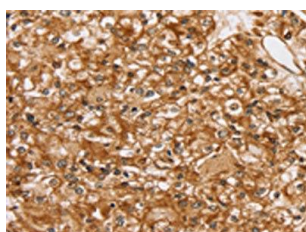
-20&deg; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

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Gel: 8%SDS-PAGE, Lysate: 40 ug, Lane: Human fetal brain tissue, Primary antibody: PACO20474(SLC16A8 Antibody) at dilution 1/200, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 2 minutes.



The image on the left is immunohistochemistry of paraffin-embedded Human prostate cancer tissue using PACO20474(SLC16A8 Antibody) at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x—200).