

# KIF27 Polyclonal antibody

Catalog Number: 18833-1-AP

## Basic Information

**Catalog Number:**

18833-1-AP

**Size:**

133 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC140788

**GeneID (NCBI):**

55582

**UNIPROT ID:**

Q86VH2

**Full Name:**

kinesin family member 27

**Calculated MW:**

160 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

IF/ICC 1:20-1:200

## Applications

**Tested Applications:**

IF/ICC, ELISA

**Species Specificity:**

human, canine

**Positive Controls:**

IF/ICC : MDCK cells,

## Background Information

KIF27 belongs to the kinesin-like protein family and it is a kinesin-4 motor with key roles in cytoskeletal function and ciliogenesis. KIF27 has a conserved function in microtubule organization which can influence microtubule dynamics. KIF27 is highly expressed in ciliated cells, such as olfactory sensory neurons, suggesting to be indispensable in the development and function of motile cilia. Unlike other family members, KIF27 is a slow motor due to its low phosphatase activity. (PMID: 29351996, 29450149, 21746835)

## Storage

**Storage:**

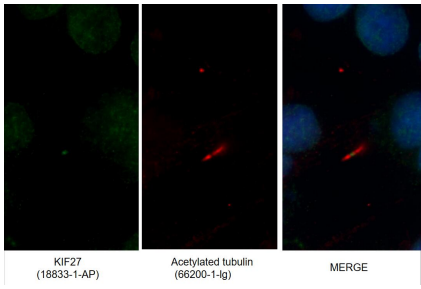
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



Immunofluorescent analysis of MDCK cells using 18833-1-AP (KIF27 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).