

KIF27 Polyclonal ANTIBODY

Catalog Number: 18833-1-AP

Basic Information

Catalog Number:
18833-1-AP

Size:
20 µg/150 µl

Source:
Rabbit

Isotype:
IgG

Purification Method:
Antigen affinity purification

Immunogen Catalog Number:

GenBank Accession Number:
BC140788

GeneID (NCBI):
55582

Full Name:
kinesin family member 27

Calculated MW:
160 kDa

Observed MW:

Recommended Dilutions:
IF 1:20-1:200

Applications

Tested Applications:
IF, ELISA

Species Specificity:
human, dog

Note: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IF : 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)

Notable Publications

Author	Pubmed ID	Journal	Application
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Storage

Storage:

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

Storage Buffer:

PBS with 0.1% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

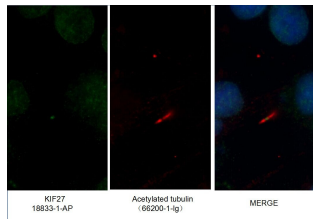
For technical support and original validation data for this product please contact:

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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)