

For Research Use Only

# KIF15 Polyclonal antibody

Catalog Number: 30774-1-AP



## Basic Information

<b>Catalog Number:</b> 30774-1-AP	<b>GenBank Accession Number:</b> NM_020242	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 700 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 56992	<b>Recommended Dilutions:</b> WB 1:2000-1:16000
<b>Source:</b> Rabbit	<b>Full Name:</b> kinesin family member 15	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 160 kDa	
<b>Immunogen Catalog Number:</b> AG33897	<b>Observed MW:</b> 145-150 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HEK-293 cells, HeLa cells, HepG2 cells, K-562 cells, L02 cells
<b>Species Specificity:</b> Human	

## Background Information

KIF15, also named as KLP2 and KNXL7, belongs to the kinesin-like protein family and KLP2 subfamily. It is a plus-end directed kinesin-like motor enzyme which involved in mitotic spindle assembly. It is located in the cytoplasm and biased expression in testis. Several isoforms of KIF15 exist due to the alternative splicing, with molecular weight between 130-160 kDa. Sometimes higher molecular weight around 200 kDa can also be observed, which may be a modified variant of KIF15 (14618103). It is known that KIF15 participates in important events during neuronal development and involves multiple cellular processes such as proliferation, apoptosis, and differentiation. There is emerging evidence indicating that KIF15 plays an important role in several malignancies including pancreatic cancer, hepatocellular carcinoma, and breast cancer (PMID: 33277366).

## 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

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:  
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## Selected Validation Data