

# KIFAP3 Monoclonal antibody

Catalog Number: 60266-1-Ig

## Basic Information

<b>Catalog Number:</b> 60266-1-Ig	<b>GenBank Accession Number:</b> BC028679	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 150ul , Concentration: 1500 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 22920	<b>CloneNo.:</b> 7C9F2
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> Q92845	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Isotype:</b> IgG2a	<b>Full Name:</b> kinesin-associated protein 3	
<b>Immunogen Catalog Number:</b> AG20809	<b>Calculated MW:</b> 792 aa, 91 kDa	
	<b>Observed MW:</b> 91-100 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> human, mouse, rat	<b>WB :</b> human testis tissue,
	<b>IHC :</b> human testis tissue,

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

## Background Information

KIFAP3, also known as KIF3AP or KAP3, is a novel KIF3A/3B-associated protein. It binds to the tail domain of KIF3A/3B and may play a role in regulating the binding of KIF3A/3B to cargoes. Recently it has been reported that mutation within the KIFAP3 gene is associated with decreased KIFAP3 expression and increased survival in sporadic ALS, which makes it a potential target for ALS therapy. KIFAP3 has also been identified as the target of mir-130a.

## 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

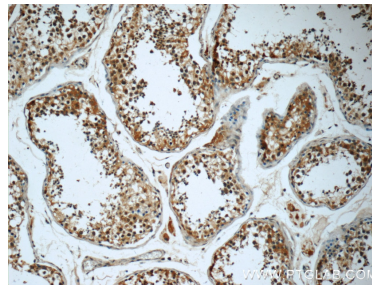
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
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## Selected Validation Data



human testis tissue were subjected to SDS PAGE followed by western blot with 60266-1-Ig (KIFAP3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 60266-1-Ig (KIFAP3 Antibody) at dilution of 1:50.