

For Research Use Only

# MYO16 Polyclonal antibody

Catalog Number: 25104-1-AP

Featured Product

2 Publications



## Basic Information

<b>Catalog Number:</b> 25104-1-AP	<b>GenBank Accession Number:</b> BC146791	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 1400 µg/ml by Nanodrop and 487 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 23026	<b>Recommended Dilutions:</b> WB 1:500-1:2000
<b>Source:</b> Rabbit	<b>Full Name:</b> myosin XVI	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 1858 aa, 206 kDa	
<b>Immunogen Catalog Number:</b> AG18798	<b>Observed MW:</b> 200-240 kDa	

## Applications

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

## Background Information

MYO16, also named as KIAA0865, MYO16B, is actin-based motor molecules with ATPase activity. Unconventional myosins serve in intracellular movements. Their highly divergent tails are presumed to bind to membranous compartments, which would be moved relative to actin filaments. MYO16 may be involved in targeting of the catalytic subunit of protein phosphatase 1 during brain development. The antibody can recognize isoform1, isoform2 and isoform3 of MYO16.

## Notable Publications

Author	Pubmed ID	Journal	Application
Shalini Menon	33378226	Mol Biol Cell	WB
Mona Katrin Roesler	31474830	Front Cell Neurosci	WB

## Storage

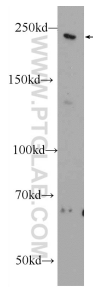
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 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)  
E: proteintech@ptglab.com  
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 25104-1-AP (MYO16 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.