

## Anti-MYO16 Polyclonal Antibody

### Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Zebrafish,Fruit Fly)
Molecular Weight:	Theoretical: 206 kDa. Actual: 123 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (MYO16) Polyclonal Antibody, Unconjugated (TMAB-09164) at 1:400 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

2. Sample:

Cerebrum (Mouse) Lysate at 40 µg

Cerebrum (Rat) Lysate at 40 µg

Primary: Anti-MYO16 (TMAB-09164) at 1/300 dilution

Verified Activity: Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 206 kD

Observed band size: 123 kD

3. Sample:

Brain (Mouse) Lysate at 40 µg

Brain (Rat) Lysate at 40 µg

Primary: Anti-MYO16 (TMAB-09164) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 206 kD

Observed band size: 123 kD

Application: WB,IHC-P,IHC-Fr,IF

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

### Properties

Stability & Storage: Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human MYO16  
Antigen Species: Human  
Gene ID: 23026  
Uniprot ID: Q9Y6X6

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### Research Background

Myosin XVI is a 1,858 amino acid protein that localizes to the cytoplasm and contains one IQ domain, two myosin head-like domains and seven ANK repeats. Existing as an unconventional Myosin, Myosin XVI is involved in intracellular movements related to Actin filaments and is thought to interact specifically with PP1 alpha and PP1 gamma, possibly playing a role in PP1-associated brain development. Multiple isoforms of Myosin XVI exist due to alternative splicing events.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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