

A6936

Leader in Biomolecular Solutions for Life Science



MYO1C Rabbit pAb

Catalog No.: A6936

Basic Information

Observed MW

122kDa

Calculated MW

122kDa

Category

Polyclonal Antibody

Applications

WB,IHC-P,IP,ELISA

Cross-Reactivity

Human,Mouse,Rat

Background

This gene encodes a member of the unconventional myosin protein family, which are actin-based molecular motors. The protein is found in the cytoplasm, and one isoform with a unique N-terminus is also found in the nucleus. The nuclear isoform associates with RNA polymerase I and II and functions in transcription initiation. The mouse ortholog of this protein also functions in intracellular vesicle transport to the plasma membrane. Multiple transcript variants encoding different isoforms have been found for this gene. The related gene myosin IE has been referred to as myosin IC in the literature, but it is a distinct locus on chromosome 19.

Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:200

IP 0.5µg-4µg antibody for
200µg-400µg extracts
of whole cells

ELISA Recommended starting
concentration is 1
µg/mL. Please optimize
the concentration
based on your specific
assay requirements.

Immunogen Information

Gene ID

4641

Swiss Prot

O00159

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 769-1028 of human MYO1C (NP_203693.3).

Synonyms

NMI; MMIb; myr2; MyoIC; MMI-beta; MYO1C

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

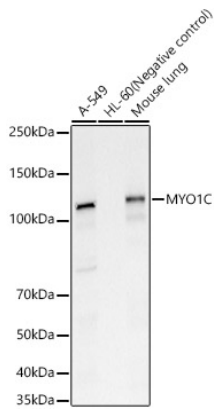
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300,50% glycerol,pH7.3.

Contact

 www.abclonal.com

Validation Data



Western blot analysis of various lysates, using MYO1C Rabbit pAb (A6936) at 1:1500 dilution.

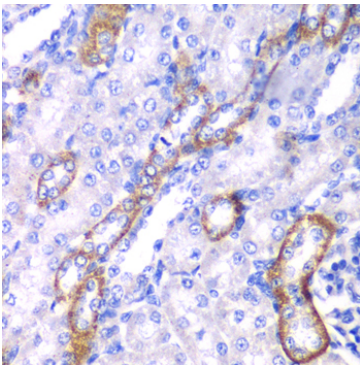
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25µg per lane.

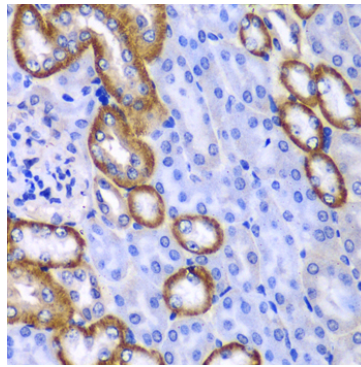
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

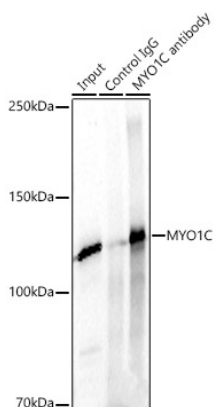
Exposure time: 30s.



Immunohistochemistry analysis of paraffin-embedded Rat kidney using MYO1C Rabbit pAb (A6936) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse kidney using MYO1C Rabbit pAb (A6936) at dilution of 1:100 (40x lens). Microwave antigen retrieval performed with 0.01M PBS Buffer (pH 7.2) prior to IHC staining.



Immunoprecipitation analysis of 300ug extracts of A549 cells using 3ug MYO1C Rabbit pAb (A6936 1:100). Western blot was performed from the immunoprecipitate using MYO1C Rabbit pAb (A6936) at a dilution of 1:1000.