MYH9 Polyclonal ANTIBODY

Catalog Number: 11128-1-AP

Basic Information

- **Catalog Number:** 11128-1-AP
- **Size:** 58 μg/150 μl
- **Source:** Rabbit
- **Isotype:** IgG
- **Purification Method:** Antigen affinity purification
- **Immunogen Catalog Number:** AG1612
- **GenBank Accession Number:** BC011915
- **GeneID (NCBI):** 6627
- **Full Name:** myosin, heavy chain 9, non-muscle
- **Calculated MW:** 227 kDa
- **Observed MW:** 224 kDa

Recommended Dilutions:
- **WB:** 1:3000-1:10000, IP 0.5-4.0 μg for IP and 1:500-1:2000 for WB, IHC 1:50-1:500, IF 1:50-1:500

Applications

- **Tested Applications:** IF, IHC, IP, WB, ELISA
- **Cited Applications:** IF, IHC, IP, WB
- **Species Specificity:** human, mouse, rat
- **Cited Species:** human, mouse

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

Positive Controls:
- **WB:** A549 cells; mouse colon tissue, mouse kidney tissue, mouse brain tissue, human brain tissue
- **IP:** mouse brain tissue;
- **IHC:** human lung cancer tissue; human kidney tissue, mouse kidney tissue
- **IF:** HepG2 cells;

Background Information

MYH9 (Myosin-9) appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. MYH9 is a hexameric protein that consists of two heavy chains (~200 kDa) and two pairs of non-identical light chains (15-22kDa), a pair of essential or alkali light chains, and a pair of regulatory light chains (PMID:12800156).

Notable Publications

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<th>Author</th>
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<tr>
<td>Yang Cao</td>
<td>30336116</td>
<td>Exp Cell Res</td>
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<td>Ru Zheng</td>
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<td>Longyang Liu</td>
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<td>Oncol Lett</td>
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Storage

- **Storage:** Store at -20°C. Stable for one year after shipment.
- **Storage Buffer:** PBS with 0.1% sodium azide and 50% glycerol pH 7.3.
- **Aliquoting is unnecessary for -20°C storage**

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

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Various lysates were subjected to SDS PAGE followed by western blot with 11128-1-AP (MYH9 antibody) at dilution of 1:25000 incubated at room temperature for 1.5 hours.

A549 cells were subjected to SDS PAGE followed by western blot with 11128-1-AP (MYH9 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.

Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 11128-1-AP (MYH9 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11128-1-AP (MYH9 antibody) at dilution of 1:200 (under 10x lens), heat mediated antigen retrieved with Tris-EDTA buffer (pH9).

Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 11128-1-AP (MYH9 antibody) at dilution of 1:200 (under 40x lens), heat mediated antigen retrieved with Tris-EDTA buffer (pH9).

IP Result of anti-MYH9 (IP: 11128-1-AP, 5ug; Detection: 11128-1-AP 1:1000) with mouse brain tissue lysate 4000ug.