

Datasheet for ABIN2783216

anti-Myosin 9 antibody (Middle Region)

3 Images

1 Publication

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	Myosin 9 (MYH9)
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Dog, Pig, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myosin 9 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human MYH9
Sequence:	DAMNREVSSL KNKLRRGDLP FVPRRMARK GAGDGSDEEV DGKADGAEAK
Predicted Reactivity:	Dog: 93%, Guinea Pig: 86%, Human: 100%, Mouse: 86%, Pig: 93%, Rabbit: 86%, Rat: 93%
Characteristics:	This is a rabbit polyclonal antibody against MYH9. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Myosin 9 (MYH9)
Alternative Name:	MYH9 (MYH9 Products)

Target Details

Background:	<p>MYH9 is a myosin IIA heavy chain that contains an IQ domain and a myosin head-like domain. The protein is involved in several important functions, including cytokinesis, cell motility and maintenance of cell shape. Defects in MYH9 are the cause of non-syndromic sensorineural deafness autosomal dominant type 17, Epstein syndrome, Alport syndrome with macrothrombocytopenia, Sebastian syndrome, Fechtner syndrome and macrothrombocytopenia with progressive sensorineural deafness.</p> <p>Alias Symbols: DFNA17, EPSTS, FTNS, MGC104539, MHA, NMHC-II-A, NMMHCA, BDPLT6, NMMHC-IIA</p> <p>Protein Interaction Partner: HUWE1, UBC, TP53, SUMO2, SUMO3, IVNS1ABP, LGR4, MDM2, RPA3, RPA2, RPA1, EED, MYL6, MYH14, CDC73, OTUD6B, AKAP10, MYL12A, MYL9, TARDBP, FN1, UBD, PIK3C3, ACE, CSNK2A1, ACTB, PAN2, ITGA4, HSP90AB1, HSP90AA1, ESR1, CASP4, IQCB1, VCAM1, PPP2CA, Fcho2, TRAF3IP</p> <p>Protein Size: 1960</p>
Molecular Weight:	226 kDa
Gene ID:	4627
NCBI Accession:	NM_002473 , NP_002464
UniProt:	P35579
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling , Integrin Complex

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 1960 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

Handling

should be handled by trained staff only.

Handling Advice: Avoid repeated freeze-thaw cycles.

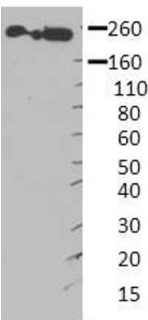
Storage: -20 °C

Storage Comment: For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

Product cited in: Ewing, Chu, Elisma, Li, Taylor, Climie, McBroom-Cerajewski, Robinson, OConnor, Li, Taylor, Dharsee, Ho, Heilbut, Moore, Zhang, Ornatsky, Bukhman, Ethier, Sheng, Vasilescu, Abu-Farha, Lambert, Duewel et al.: "Large-scale mapping of human protein-protein interactions by mass spectrometry. ..." in: **Molecular systems biology**, Vol. 3, pp. 89, (2007) ([PubMed](#)).

Images



MYH9 (ARP48072_P050)

Western blot

Sample: HEK 293 whole cell lysates

Primary dilution: 1:4,000

Secondary dilution: 1:10,000

Application data in forum

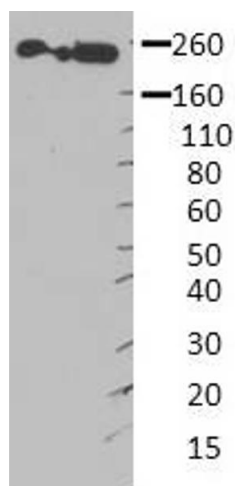
Submitted by:
Sergey Ivanov
Vanderbilt University

Image 1.



Western Blotting

Image 2. WB Suggested Anti-MYH9 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:2500 Positive Control: MCF7 cell lysate



Western Blotting

Image 3. MYH9 antibody - middle region validated by WB using Hek 293 Whole Cell Lysate at 1:4,000.