

Datasheet for ABIN2855153
anti-Myosin 9 antibody (N-Term)

4 Images

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Overview

Quantity:	100 µL
Target:	Myosin 9 (MYH9)
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Myosin 9 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunoprecipitation (IP), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the N-terminus region of human MYH9. The exact sequence is proprietary.
Isotype:	IgG
Specificity:	This antibody may cross react with MYH10, MYH14, or other family members.
Cross-Reactivity:	Human
Characteristics:	Rabbit Polyclonal antibody to MYH9 (myosin, heavy chain 9, non-muscle) MYH9 antibody [N1], N-term
Purification:	Purified by antigen-affinity chromatography.
Grade:	KO Validated

Target Details

Target:	Myosin 9 (MYH9)
Alternative Name:	myosin heavy chain 9 (MYH9 Products)
Background:	This gene encodes 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.
Molecular Weight:	227 kDa
Gene ID:	4627
UniProt:	P35579
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling , Integrin Complex

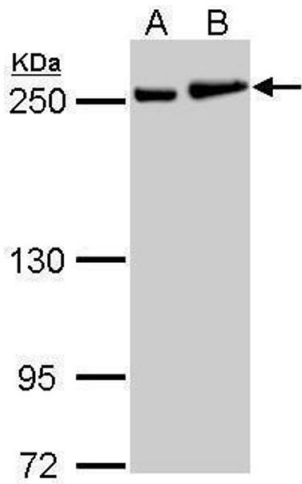
Application Details

Application Notes:	WB: 1:500-1:3000. IHC-P: 1:100-1:1000. IP: 1:100-1:500. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: U87-MG , SK-N-SH , IMR32 , SK-N-AS , NT2D1 , PC-3 Validation: KO/KD, Overexpression
Restrictions:	For Research Use only

Handling

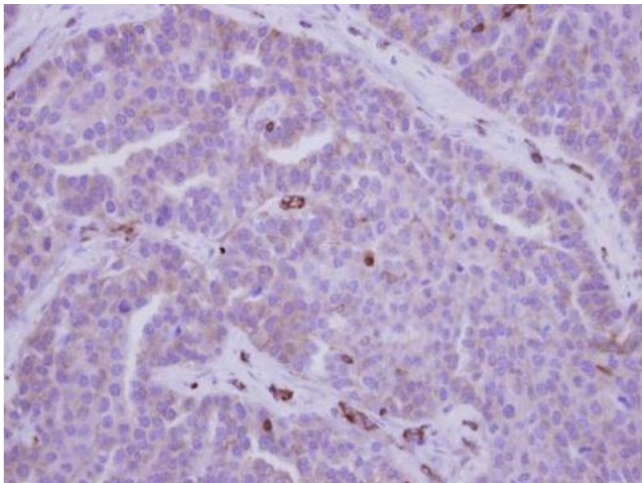
Format:	Liquid
Concentration:	1.31 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage

(1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.



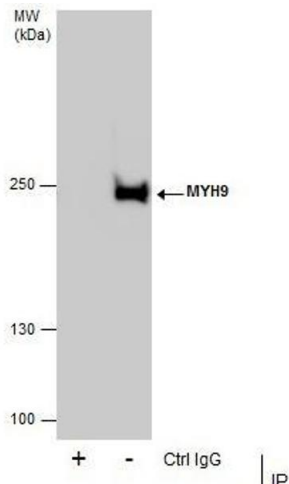
Western Blotting

Image 1. WB Image MYH9 antibody [N1], N-term detects MYH9 protein by Western blot analysis. A. 30 µg NT2D1 whole cell lysate/extract B. 30 µg PC-3 whole cell lysate/extract 5 % SDS-PAGE MYH9 antibody [N1], N-term , dilution: 1:1000



Immunohistochemistry

Image 2. IHC-P Image Immunohistochemical analysis of paraffin-embedded human adenocarcinoma, using MYH9, antibody at 1:500 dilution.



Immunoprecipitation

Image 3. IP Image Immunoprecipitation of MYH9 protein from HeLa whole cell extracts using 5 µg of MYH9 antibody [N1], N-term, Western blot analysis was performed using MYH9 antibody [N1], N-term, EasyBlot anti-Rabbit IgG was used as a secondary reagent.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN2855153.