

For Research Use Only

MYH14 Polyclonal antibody

Catalog Number: 20716-1-AP **12 Publications**



Basic Information

Catalog Number: 20716-1-AP	GenBank Accession Number: NM_024729	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 253 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 79784	Recommended Dilutions: WB 1:1000-1:5000 IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate IF 1:10-1:100
Source: Rabbit	Full Name: myosin, heavy chain 14	
Isotype: IgG	Calculated MW: 228 kDa	
	Observed MW: 228 kDa	

Applications

Tested Applications: FC, IF, IP, WB, ELISA	Positive Controls:
Cited Applications: IF, IHC, WB	WB : COLO 320 cells, human skeletal muscle tissue, mouse colon tissue, HEK-293 cells, mouse kidney tissue, rat kidney tissue
Species Specificity: human, mouse, rat	IP : mouse kidney tissue,
Cited Species: human, rat, mouse	IF : HeLa cells,

Background Information

MYH14, also named as KIAA2034 and NMHC II-C, is cellular myosin that appears to play a role in cytokinesis, cell shape, and specialized functions such as secretion and capping. Defects in MYH14 are the cause of deafness autosomal dominant type 4 (DFNA4). The antibody is specific to MYH14.

Notable Publications

Author	Pubmed ID	Journal	Application
Nalle Pentimikko	36240269	Sci Adv	IF
Colbie R Chinowsky	33026933	Mol Biol Cell	IF
Cong Li	31885626	Stem Cells Int	IF

Storage

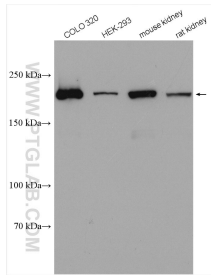
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

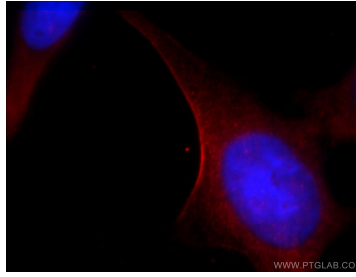
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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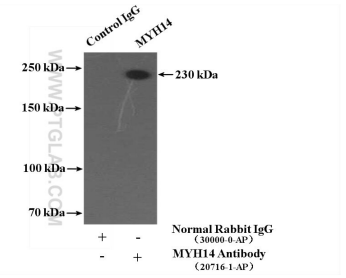
Selected Validation Data



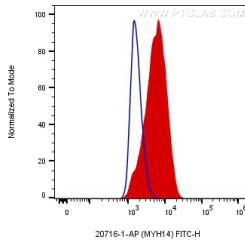
Various lysates were subjected to SDS PAGE followed by western blot with 20716-1-AP (MYH14 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HeLa cells, using MYH14 antibody 20716-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



IP Result of anti-MYH14 (IP:20716-1-AP, 4ug; Detection:20716-1-AP 1:2000) with mouse kidney tissue lysate 4800ug.



1X10⁶ HT-29 cells were intracellularly stained with 0.2 ug Anti-Human MYH14 (20716-1-AP) and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.2 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.