

For Research Use Only

MYH14 Polyclonal antibody

Catalog Number: 20716-1-AP

15 Publications



Basic Information

Catalog Number:

20716-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_024729

GeneID (NCBI):

79784

UNIPROT ID:

Q7Z406

Full Name:

myosin, heavy chain 14

Calculated MW:

228 kDa

Observed MW:

228 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:5000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IHC 1:400-1:1600

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, rat

Positive Controls:

WB : COLO 320 cells, human skeletal muscle tissue, mouse colon tissue, HEK-293 cells, mouse kidney tissue, rat kidney tissue

IP : mouse kidney tissue,

IHC : human stomach cancer tissue,

IF/ICC : HeLa cells,

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

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

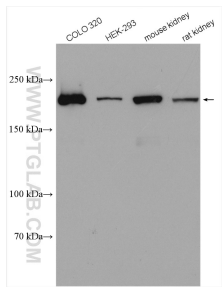
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

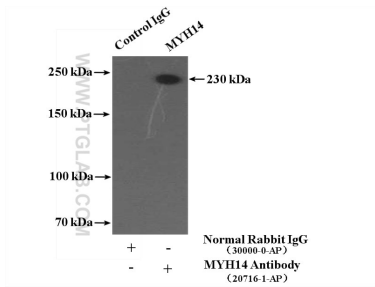
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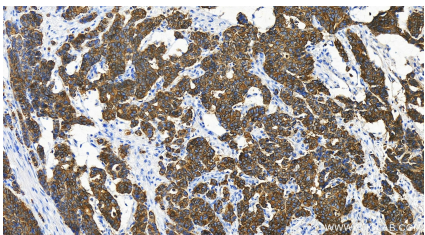
Selected Validation Data



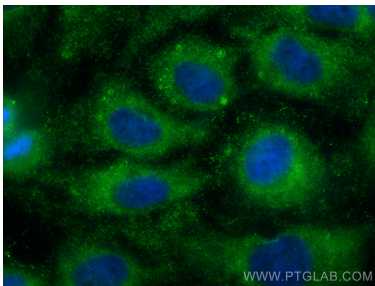
Various lysates were subjected to SDS PAGE followed by western blot with 20716-1-AP (MYH14 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



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



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 20716-1-AP (MYH14 antibody) at dilution of 1:800 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using MYH14 antibody (20716-1-AP) at dilution of 1:400 and Multi-rAb CoraLite ® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).