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anti-MYH11 antibody (AA 1680-1979)

2 Images



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Quantity:	100 μL	
Target:	MYH11	
Binding Specificity:	AA 1680-1979	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This MYH11 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunofluorescence (IF)	
Product Details		
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1680-1979 of human SMMHC/SMMHC/MYH11 (NP_001035203.1).	
Immunogen:	human SMMHC/SMMHC/MYH11 (NP_001035203.1). ATAKENEKKA KSLEADLMQL QEDLAAAERA RKQADLEKEE LAEELASSLS GRNALQDEKR RLEARIAQLE EELEEEQGNM EAMSDRVRKA TQQAEQLSNE LATERSTAQK NESARQQLER QNKELRSKLH EMEGAVKSKF KSTIAALEAK IAQLEEQVEQ EAREKQAATK SLKQKDKKLK EILLQVEDER KMAEQYKEQA EKGNARVKQL KRQLEEAEEE SQRINANRRK LQRELDEATE	
Immunogen: Sequence:	human SMMHC/SMMHC/MYH11 (NP_001035203.1). ATAKENEKKA KSLEADLMQL QEDLAAAERA RKQADLEKEE LAEELASSLS GRNALQDEKR RLEARIAQLE EELEEEQGNM EAMSDRVRKA TQQAEQLSNE LATERSTAQK NESARQQLER QNKELRSKLH EMEGAVKSKF KSTIAALEAK IAQLEEQVEQ EAREKQAATK SLKQKDKKLK EILLQVEDER KMAEQYKEQA EKGNARVKQL KRQLEEAEEE SQRINANRRK LQRELDEATE SNEAMGREVN ALKSKLRRGN ETSFVPSRRS GGRRVIENAD GSEEETDTRD ADFNGTKASE	

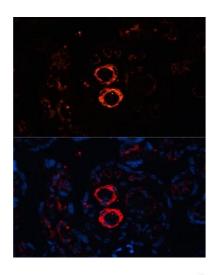
Target Details

Target:	MYH11		
Alternative Name:	MYH11 (MYH11 Products)		
Background:	The protein encoded by this gene is a smooth muscle myosin belonging to the myosin heavy		
	chain family. The gene product is a subunit of a hexameric protein that consists of two heavy		
	chain subunits and two pairs of non-identical light chain subunits. It functions as a major		
	contractile protein, converting chemical energy into mechanical energy through the hydrolysis		
	of ATP. The gene encoding a human ortholog of rat NUDE1 is transcribed from the reverse		
	strand of this gene, and its 3' end overlaps with that of the latter. The pericentric inversion of		
	chromosome 16 [inv(16)(p13q22)] produces a chimeric transcript that encodes a protein		
	consisting of the first 165 residues from the N terminus of core-binding factor beta in a fusion		
	with the C-terminal portion of the smooth muscle myosin heavy chain. This chromosomal		
	rearrangement is associated with acute myeloid leukemia of the M4Eo subtype. Alternative		
	splicing generates isoforms that are differentially expressed, with ratios changing during		
	muscle cell maturation. Alternatively spliced transcript variants encoding different isoforms		
	have been identified.,MYH11,AAT4,FAA4,SMHC,SMMHC,myosin-11,Signal Transduction,Cell		
	Biology & Developmental Biology, Cytoskeleton, Motor Proteins, Stem		
	Cells,Cardiovascular,Cardiovascular Markers,Smooth Muscle Cells,Heart,Contractility,MYH11		
Molecular Weight:	223 kDa/224 kDa/227 kDa/228 kDa		
Gene ID:	4629		
JniProt:	P35749		
Application Details			
Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200		
Comment:	HIGH QUALITY		
Restrictions:	For Research Use only		
Handling			
	Liquid		
Format:	·		
Format: Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		

Handling

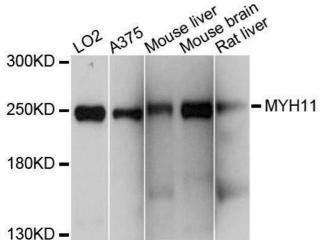
	should be handled by trained staff only.	
Storage:	-20 °C	
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.	

Images



Immunofluorescence

Image 1. Immunofluorescence analysis of human placenta cells using SMMHC/SMMHC/MYH11 antibody (ABIN6129611, ABIN6144234, ABIN6144235 and ABIN6215005) at dilution of 1:100. Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using MYH11 antibody.