Datasheet for ABIN6144243

anti-MYL12A antibody (AA 92-171)

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Overview

Quantity:	100 µL
Target:	MYL12A
Binding Specificity:	AA 92-171
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYL12A antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 92-171 of human MYL12A (NP_006462.1).
Sequence:	KLNGTDPEDV IRNAFACFDE EATGTIQEDY LRELLTTMGD RFTDEEVDEL YREAPIDKKG NFNYIEFTRI LKHGAKDKDD
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MYL12A

Target Details

Alternative Name:	MYL12A (MYL12A Products)
Background:	This gene encodes a nonsarcomeric myosin regulatory light chain. This protein is activated by phosphorylation and regulates smooth muscle and non-muscle cell contraction. This protein may also be involved in DNA damage repair by sequestering the transcriptional regulator apoptosis-antagonizing transcription factor (AATF)/Che-1 which functions as a repressor of p53-driven apoptosis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8.,MYL12A,HEL-S-24,MLC-2B,MLCB,MRCL3,MRLC3,MYL2B,Signal Transduction,Cell Biology & Developmental Biology,Cytoskeleton,Motor Proteins,Actins,MYL12A
Molecular Weight:	19 kDa
Gene ID:	10627
UniProt:	P19105

Application Details

Application Notes:	WB,1:500 - 1:2000
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

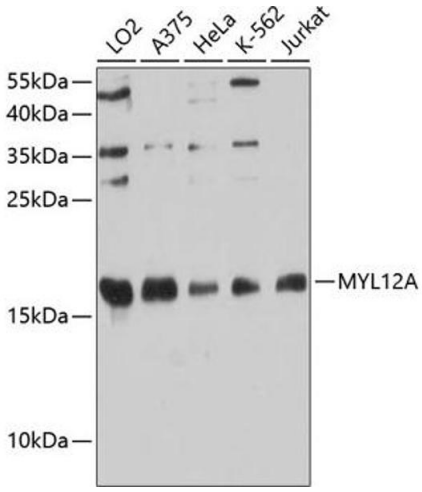
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Publications

Product cited in:	Niu, Pi, Baral, Xia, He, Li, Jin, Li, Wang, Mao, Hu: "P2Y12 Promotes Migration of Vascular Smooth Muscle Cells Through Cofilin Dephosphorylation During Atherogenesis." in: **Arteriosclerosis, thrombosis, and vascular biology**, Vol. 37, Issue 3, pp. 515-524, (2017) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using MYL12A antibody (ABIN6133371, ABIN6144243, ABIN6144244 and ABIN6224918) at 1:3000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution.Lysates/proteins: 25 µg per lane.Blocking buffer: 3 % nonfat dry milk in TBST.Detection: ECL Enhanced Kit (RM00021).Exposure time: 90s.

