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Datasheet for ABIN6144264  
**anti-MYLK antibody (AA 1765-1914)**

4 Images

Overview

Quantity:	100 µL
Target:	MYLK
Binding Specificity:	AA 1765-1914
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MYLK antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1765-1914 of human MYLK (NP_444253.3).
Sequence:	SGLSGRKSST GSPTSPLNAE KLESEEDVSQ AFLEAVAEK PHVKPYFSKT IRDLEVVEGS AARFDCKIEG YPDPEVVWFK DDQSIRESRH FQIDYDEDGN CSLIISDVCG DDDAKYTCKA VNSLGEATCT AELIVETMEE GEGEGEEEE
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Target Details

Target:	MYLK
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## Target Details

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Alternative Name:	MYLK ( <a href="#">MYLK Products</a> )
Background:	<p>This gene, a muscle member of the immunoglobulin gene superfamily, encodes myosin light chain kinase which is a calcium/calmodulin dependent enzyme. This kinase phosphorylates myosin regulatory light chains to facilitate myosin interaction with actin filaments to produce contractile activity. This gene encodes both smooth muscle and nonmuscle isoforms. In addition, using a separate promoter in an intron in the 3' region, it encodes telokin, a small protein identical in sequence to the C-terminus of myosin light chain kinase, that is independently expressed in smooth muscle and functions to stabilize unphosphorylated myosin filaments. A pseudogene is located on the p arm of chromosome 3. Four transcript variants that produce four isoforms of the calcium/calmodulin dependent enzyme have been identified as well as two transcripts that produce two isoforms of telokin. Additional variants have been identified but lack full length transcripts.,MYLK,AAT7,KRP,MLCK,MLCK1,MLCK108,MLCK210,MSTP083,MYLK1,s mMLCK,Signal Transduction,Cell Biology &amp; Developmental Biology,Cytoskeleton,Motor Proteins,Actins,MYLK</p>
Molecular Weight:	16 kDa/80 kDa/110 kDa/197-210 kDa
Gene ID:	4638
UniProt:	<a href="#">Q15746</a>

## Application Details

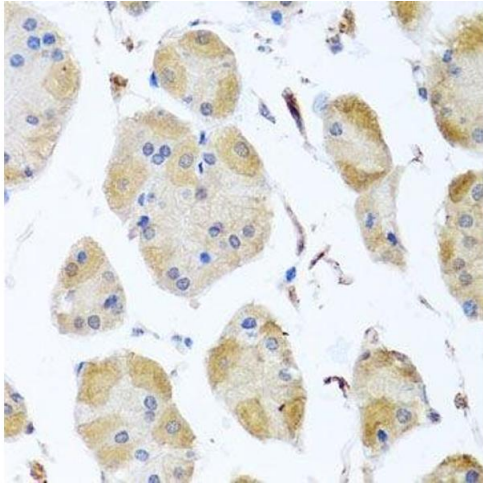
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Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:100
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

## Handling

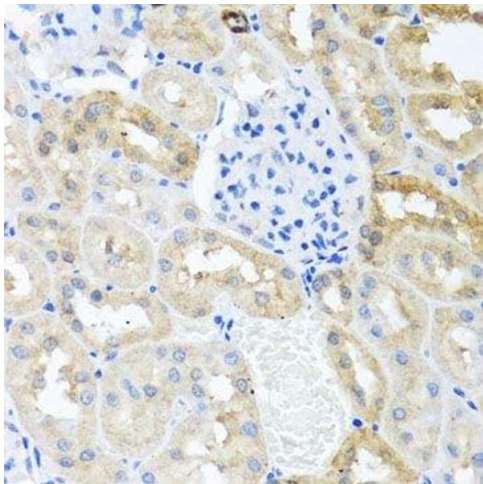
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Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage: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



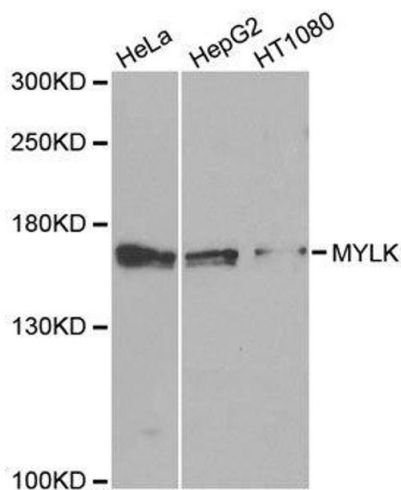
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemistry of paraffin-embedded human stomach using MYLK antibody.



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 2.** Immunohistochemistry of paraffin-embedded rat kidney using MYLK antibody.



#### Western Blotting

**Image 3.** Western blot analysis of extracts of various cell lines, using MYLK antibody.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6144264.