MYLK Rabbit Polyclonal Antibody

Catalog No: #29296

Package Size: #29296-1 50ul #29296-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

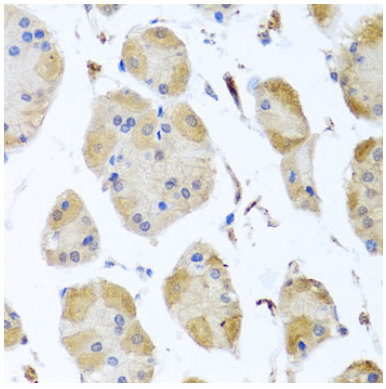
Product Name	MYLK Rabbit Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC
Species Reactivity	Human,Mouse,Rat
Immunogen Description	Recombinant fusion protein of human MYLK (NP_444253.3).
Other Names	MYLK;AAT7;KRP;MLCK;MLCK1;MLCK108;MLCK210;MSTP083;MYLK1;smMLCK
Accession No.	Swiss Prot:Q15746GeneID:4638
Uniprot	Q15746
GeneID	4638
Calculated MW	16kDa/80kDa/110kDa/197-210kDa
Formulation	Buffer: PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

Application Details

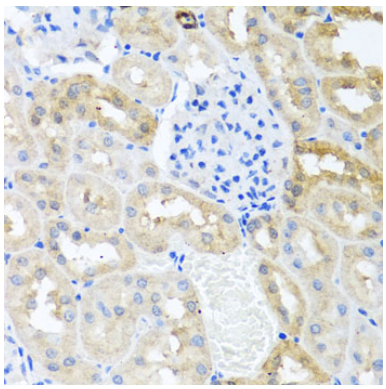
WB□1:500 - 1:2000

IHC□1:50 - 1:100

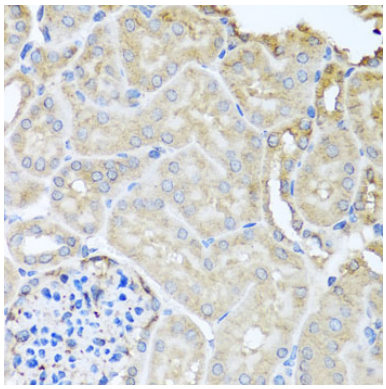
Images



Immunohistochemistry of paraffin-embedded human stomach using MYLK at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded rat kidney using MYLK at dilution of 1:100 (40x lens).



Immunohistochemistry of paraffin-embedded mouse kidney using MYLK at dilution of 1:100 (40x lens).

Background

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.

Note: This product is for in vitro research use only