

MYLK3 Antibody

Catalog No: #36204

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

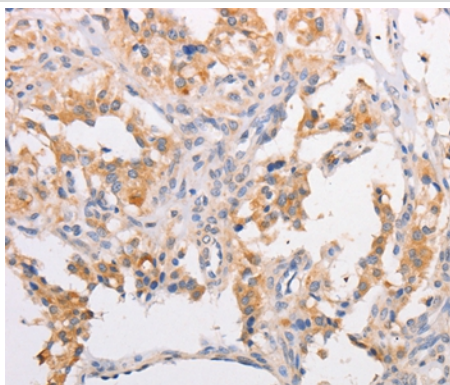
Description

Product Name	MYLK3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total MYLK3 protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Fusion protein corresponding to residues near the N terminal of human myosin light chain kinase 3
Target Name	MYLK3
Other Names	MLCK; MLCK2; caMLCK
Accession No.	Swiss-Prot#: Q32MK0NCBI Gene ID: 91807Gene Accssion: BC109097
Uniprot	Q32MK0
GeneID	91807;
Concentration	2mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

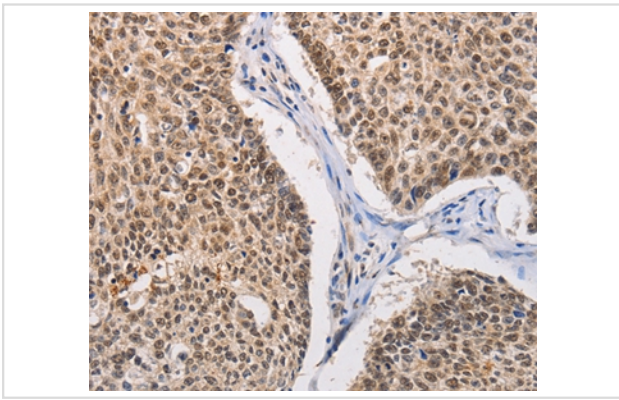
Application Details

Immunohistochemistry: 1:25-1:100

Images



Immunohistochemical analysis of paraffin-embedded Human thyroid cancer tissue using #36204 at dilution 1/30.



Immunohistochemical analysis of paraffin-embedded Human lung cancer tissue using #36204 at dilution 1/30.

Background

YLK3 (Myosin light chain kinase 3) is a 795 amino acid cardiac-specific protein that contains one protein kinase domain and belongs to the protein kinase superfamily. Like other MYLK kinases, MYLK3 is thought to play a role in smooth muscle contraction, specifically using magnesium as a cofactor to catalyze the ATP-dependent phosphorylation of Myosin light chain proteins. Additionally, MYLK3 may regulate sarcomere assembly in heart tissue, possibly mediating proper heart function.

Note: This product is for in vitro research use only