ATAGENIX LABORATORIES

Catalog Number:ATP077

Anti KAT5 polyclonal antibody

产品概述

产品名（Product Name）	Anti KAT5 polyclonal antibody
货号（Catalog No.）	ATP077
种类（Category）	Primary antibody
宿主（Host）	Rabbit
反应种属（Species specificity）	Human,other species was not test
应用实验（Tested applications）	WB:1:2000~1:8000,ICC:1:50~200,IHC:1:50~100
克隆性（Clonality）	Polyclonal
偶连物（Conjugation）	Unconjugated
免疫原（Immunogen）	Recombinant protein of human KAT5(Ala101-Ser457).
别名	Histone acetyltransferase KAT5,60 kDa Tat-interactive protein,Tip60,Histone acetyltransferase HTATIP,HIV-1 Tat interactive protein,Lysine acetyltransferase 5, cPLA(2)-interacting protein,HTATIP,TIP60
Uniprot ID	Q92993

产品性能

状态（Form）	Liquid
储存溶液（Buffer）	PBS,pH7.4,containing 0.05% proclin300,50% glycerol.
存放条件（Storage）	Use a manual defrost freezer and avoid repeated freeze thaw cycles.Store at 4°C for frequent use.Store at -20 to -80 °C for twelve months from the date of receipt.
浓度（Concentration）	0.29mg/ml
亚型（Isotype）	IgG
分子量（MW）	60kDa
纯化方式（Purity）	Antigen affinity purification

应用

WB,ICC,IHC

产品实验图片

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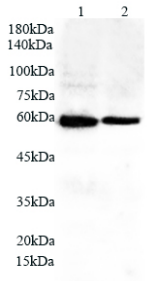
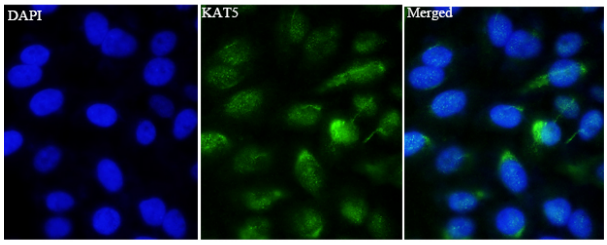


Lysate:20μg/ml
Lane 1:THP-1 cell line
Lane 2:HepG2 cell line

Predicted band size:60kDa
Observed band size:55-60kDa

Various lysates were subjected to SDS PAGE followed by western blot with KAT5 antibody at dilution of 1:1000.



Immunofluorescent analysis of HepG2 cells using KAT5 antibody at dilution of 1:100 and Alexa Fluor-488 conjugated Affinipure Goat anti rabbit IgG(H+L).

产品背景

KAT5, also named as The histone acetyltransferase (HAT) Tat interactive protein 60 kD belongs to the MYST protein family that contains atypical zinc finger and histone acetyltransferase domains. Also, KAT5 contains a chromodomain. KAT5 is a catalytic subunit of the NuA4 histone acetyltransferase complex. The NuA4 HAT complex plays a role in transcriptional activation of select genes mainly by acetylation of nucleosomal histone H4 and H2A, which influence nucleosome-DNA interaction and promotes interaction of the modified histones with other proteins that could regulate transcription positively. This complex also involves in the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, DNA repair and apoptosis. KAT5 exists some isoforms with MV 53-60 kDa