

MOL1A Antibody

Catalog No: #33946

Package Size: #33946-1 50ul #33946-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

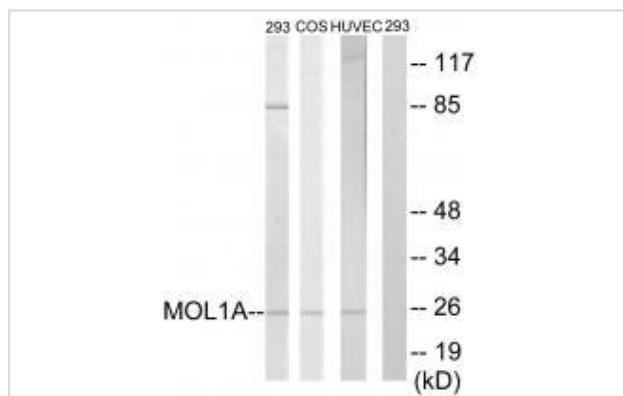
Description

Product Name	MOL1A Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total MOL1A protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human MOL1A.
Target Name	MOL1A
Other Names	MATS2; MOB1; Mps One Binder kinase activator-like 1A;
Accession No.	Swiss-Prot: Q7L9L4NCBI Gene ID: 92597
Uniprot	Q7L9L4
GeneID	92597;
SDS-PAGE MW	25kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from 293 cells, COS-7 cells and HUVEC cells all treated with IFN (2500U/ml, 30mins), using MOL1A antibody #33946.

Background

Activator of LATS1/2 in the Hippo signaling pathway which plays a pivotal role in organ size control and tumor suppression by restricting proliferation and promoting apoptosis. The core of this pathway is composed of a kinase cascade wherein STK3/MST2 and STK4/MST1, in complex with its regulatory protein SAV1, phosphorylates and activates LATS1/2 in complex with its regulatory protein MOB1, which in turn phosphorylates and inactivates YAP1 oncoprotein and WWTR1/TAZ. Phosphorylation of YAP1 by LATS1/2 inhibits its translocation into the nucleus to regulate cellular genes important for cell proliferation, cell death, and cell migration. Stimulates the kinase activity of STK38L.

Florindo C.S., Submitted (JUL-2003) to the EMBL/GenBank/DDBJ databases

The MGC Project Team, Genome Res. 14:2121-2127(2004).

Devroe E., J. Biol. Chem. 279:24444-24451(2004).

Note: This product is for in vitro research use only