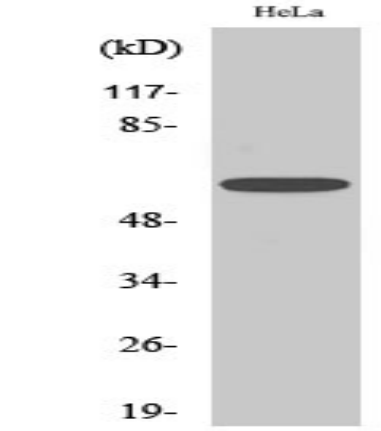
Best Tools for immunology Research

Che-1 Polyclonal Antibody

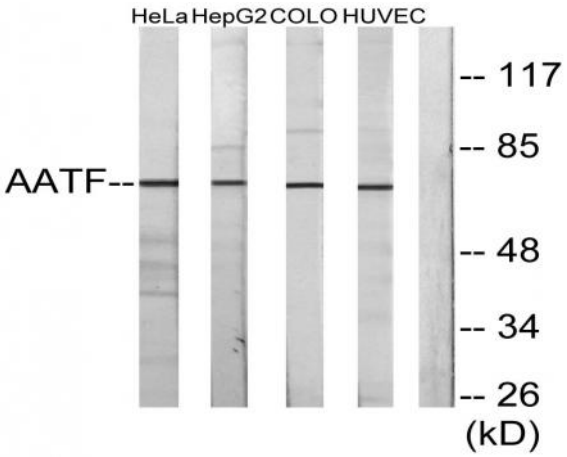
Catalog No :	YT0894
Reactivity :	Human;Mouse;Rat
Applications :	WB;IHC;IF;ELISA
Target :	Che-1
Gene Name :	AATF
Protein Name :	Protein AATF
Human Gene Id :	26574
Human Swiss Prot No :	Q9NY61
Mouse Gene Id :	56321
Mouse Swiss Prot No :	Q9JKX4
Rat Gene Id :	114512
Rat Swiss Prot No :	Q9QYW0
Immunogen :	The antiserum was produced against synthesized peptide derived from human AATF. AA range:10-59
Specificity :	Che-1 Polyclonal Antibody detects endogenous levels of Che-1 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IHC 1:100 - 1:300. ELISA: 1:10000.. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	70kD
Background :	The protein encoded by this gene was identified on the basis of its interaction with MAP3K12/DLK, a protein kinase known to be involved in the induction of cell apoptosis. This gene product contains a leucine zipper, which is a characteristic motif of transcription factors, and was shown to exhibit strong transactivation activity when fused to Gal4 DNA binding domain. Overexpression of this gene interfered with MAP3K12 induced apoptosis. [provided by RefSeq, Jul 2008],
Function :	function:May function as a general inhibitor of the histone deacetylase HDAC1. Binding to the pocket region of RB1 may displace HDAC1 from RB1/E2F complexes, leading to activation of E2F target genes and cell cycle progression. Conversely, displacement of HDAC1 from SP1 bound to the CDKN1A promoter leads to increased expression of this CDK inhibitor and blocks cell cycle progression. Also antagonizes PAWR mediated induction of aberrant amyloid peptide production in Alzheimer disease (presenile and senile dementia), although the molecular basis for this phenomenon has not been described to date.,PTM:Hyperphosphorylated during the G1/S phase transition.,similarity:Belongs to the AATF family.,subunit:Binds PAWR, POLR2J, RB1/RB, RBL1/P107, RBL2/P130, and SP1. May also bind MAPT.,tissue specificity:Ubiquitously expressed. Expressed at high levels in brain, heart, kidney, placenta and thymus.,
Subcellular Location :	Nucleus, nucleolus .
Expression :	Ubiquitously expressed. Expressed at high levels in brain, heart, kidney, placenta and thymus.
Sort :	3932
No4 :	1

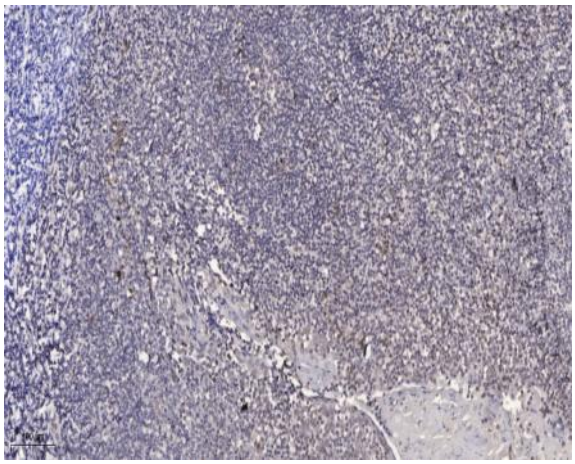
Products Images



Western Blot analysis of various cells using Che-1 Polyclonal Antibody



Western blot analysis of lysates from HeLa cells, HepG2 cells, COLO205 cells, and HUVEC cells, using AATF Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).