For Research Use Only

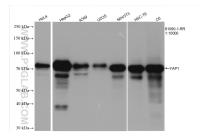
YAP1 Recombinant antibody

Catalog Number:81090-1-RR 2 Publications

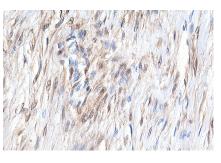


Basic Information	Catalog Number: 81090-1-RR	GenBank Accession Number: BC038235	Purification Method: Protein A purification
	Size:	GeneID (NCBI):	CloneNo.:
	100ul , Concentration: 1000 ug/ml by	10413	5E3
	Nanodrop;	UNIPROT ID:	Recommended Dilutions:
	Source: Rabbit	P46937	WB 1:5000-1:50000 IHC 1:250-1:1000
	Isotype:	Full Name: Yes-associated protein 1, 65k	IE/ICC 1:500 1:2000
	IgG	Calculated MW:	
	Immunogen Catalog Number:	504 aa, 54 kDa	
	AG4510	Observed MW: 65-75 kDa	
Applications	Tested Applications: Positive Controls:		
Applications	WB, IHC, IF/ICC, ELISA	WB : H	HeLa cells,
	Cited Applications: IHC	IHC : human colon cancer tissue, mouse skeletal muscle tissue	
	Species Specificity: human, mouse, rat	IF/IC	C : HepG2 cells,
	Cited Species: mouse, sheep		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0		
Background Information	and is the critical downstream regula size control and tumor suppression by composed of a kinase cascade where phosphorylates and activates LATS1/ and inactivates YAP1 oncoprotein an contact. Phosphorylation of YAP1 by l important for cell proliferation, cell d required for it to stimulate gene expr mesenchymal transition (EMT) induct ERBB4 (isoform 3).Increased expressi transactivation domain found in stria	tory target in the Hippo signal y restricting proliferation and p in STK3/MST2 and STK4/MST1 2 in complex with its regulated d WWTR1/TAZ. Plays a key rol ATS1/2 inhibits its translocat leath, and cell migration. The p ession, cell growth, anchoraged tion. Isoform 2 and isoform 3 c on seen in some liver and pros tal neurons of patients with H by ubiquitination (20048001).	ling pathway that plays a pivotal role in organ promoting apoptosis. The core of this pathway I, in complex with its regulatory protein SAV1, ory protein MOB1, which in turn phosphorylates e to control cell proliferation in response to ce ion into the nucleus to regulate cellular genes presence of TEAD transcription factors are e-independent growth, and epithelial can activate the C-terminal fragment (CTF) of state cancers. Isoforms lacking the untington disease (at protein level). It is active The calcualted molecular weight of YAP1 is 54
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Notable Publications	and is the critical downstream regula size control and tumor suppression by composed of a kinase cascade where phosphorylates and activates LATS1/ and inactivates YAP1 oncoprotein and contact. Phosphorylation of YAP1 by L important for cell proliferation, cell d required for it to stimulate gene expr mesenchymal transition (EMT) induct ERB84 (isoform 3).Increased expressi transactivation domain found in stria by phosphorylation and degradated b kDa, but routinely observed at 65-75 Author Pub Jinke Huang 391 Tong-Mei Zhang 388 Storage: Store at -20°C. Stable for one year aft Storage Buffer: PBS with 0.02% sodium azide and 50	tory target in the Hippo signal / restricting proliferation and p in STK3/MST2 and STK4/MST1 2 in complex with its regulated d WWTR1/TAZ. Plays a key rol ATS1/2 inhibits its translocat leath, and cell migration. The p ession, cell growth, anchorage tion. Isoform 2 and isoform 3 c on seen in some liver and pros- tal neurons of patients with H by ubiquitination (20048001). kDa by Western Blot (PMID: 28 med ID Journal 65355 Front Immun 30996 Sci Rep er shipment. % glycerol pH 7.3.	ling pathway that plays a pivotal role in organ promoting apoptosis. The core of this pathway I, in complex with its regulatory protein SAV1, ory protein MOB1, which in turn phosphorylates the to control cell proliferation in response to ce ion into the nucleus to regulate cellular geness presence of TEAD transcription factors are e-independent growth, and epithelial tan activate the C-terminal fragment (CTF) of state cancers. Isoforms lacking the untington disease (at protein level). It is active The calcualted molecular weight of YAP1 is 54 3230103, 33264286, 36255405). Application nol
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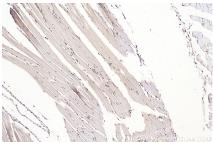
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 81090-1-RR (YAP1 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



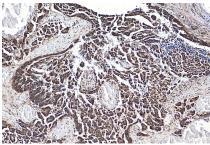
Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 81090-1-RR (YAP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



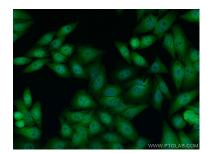
Immunohistochemical analysis of paraffinembedded mouse skeletal muscle tissue slide using 81090-1-RR (YAP1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



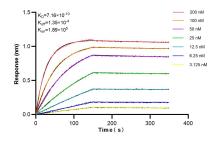
Immunohistochemical analysis of paraffinembedded mouse skeletal muscle tissue slide using 81090-1-RR (YAP1 antibody) at dilution of 1:500 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 81090-1-RR (YAP1 antibody) at dilution of 1:500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using YAP1 antibody (81090-1-RR, Clone: 5E3) at dilution of 1:1000 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Biolayer interferometry (BLI) kinetic assays of 81090-1-RR against Human YAP1 were performed. The affinity constant is 0.716 nM.