Datasheet for ABIN701485

anti-YAP1 antibody (AA 131-330)

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Overview

Quantity:	100 µL
Target:	YAP1
Binding Specificity:	AA 131-330
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This YAP1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human YAP1
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Predicted Reactivity:	Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	YAP1

Target Details

Alternative Name:	YAP1 (YAP1 Products)
Background:	Synonyms: YAP, YKI, COB1, YAP2, YAP65, Transcriptional coactivator YAP1, Yes-associated protein 1, Protein yorkie homolog, Yes-associated protein YAP65 homolog, YAP1 Background: Transcriptional regulator which can act both as a coactivator and a corepressor and is the critical downstream regulatory target in the Hippo signaling pathway that 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. Plays a key role to control cell proliferation in response to cell contact. 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. The presence of TEAD transcription factors are required for it to stimulate gene expression, cell growth, anchorage-independent growth, and epithelial mesenchymal transition (EMT) induction. Isoform 2 and isoform 3 can activate the C-terminal fragment (CTF) of ERBB4 (isoform 3).
Gene ID:	10413
UniProt:	P46937
Pathways:	MAPK Signaling, Stem Cell Maintenance, Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL

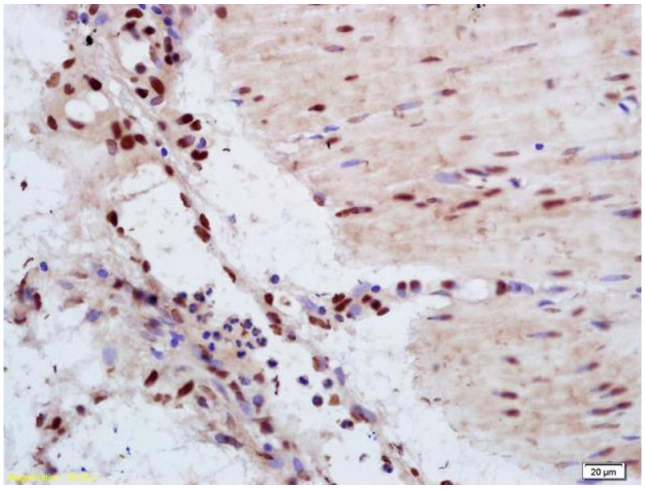
Handling

Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

Product cited in:	Li, Shang, Shu, Zhang, Ji, Sun, Li, Xie: "gga-miR-375 plays a key role in tumorigenesis post subgroup J avian leukosis virus infection." in: **PLoS ONE**, Vol. 9, Issue 4, pp. e90878, (2014) (PubMed).

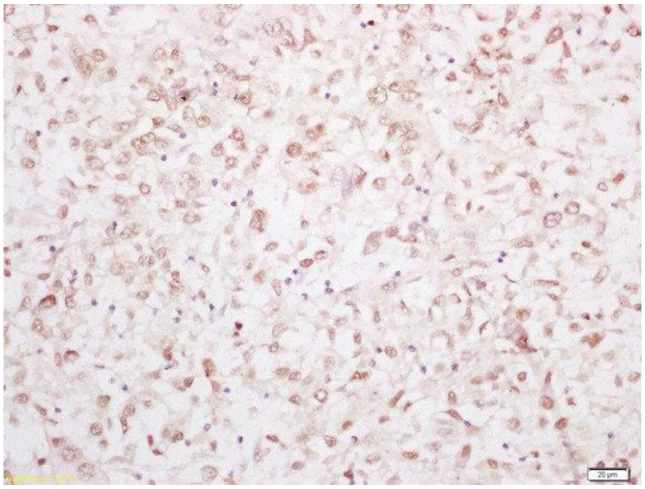
Images



Immunohistochemistry

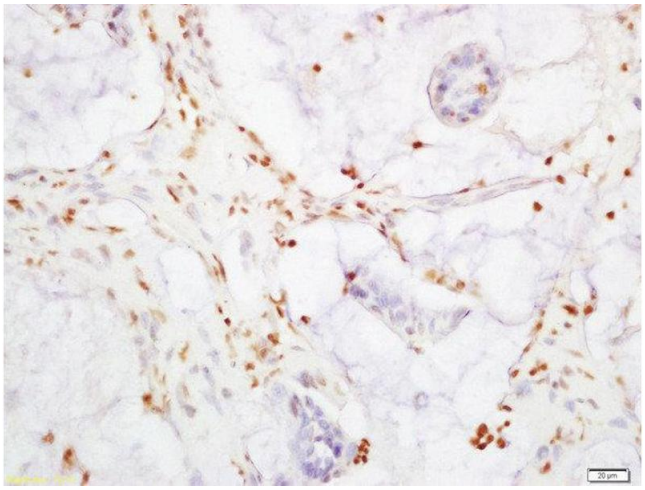
Image 1. Formalin-fixed and paraffin embedded human gastric carcinoma labeled with Anti-YAP1 Polyclonal Antibody, Unconjugated (ABIN701485) at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Formalin-fixed and paraffin embedded human breast carcinoma labeled with Rabbit Anti-YAP1 Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human colon carcinoma labeled with Rabbit Anti-YAP1 Polyclonal Antibody, Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the product details page for more images. Overall 4 images are available for ABIN701485.