

Product Datasheet

YAP1 Antibody (2F12) - Isoform 5 - Azide and BSA Free H00010413-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00010413-M01

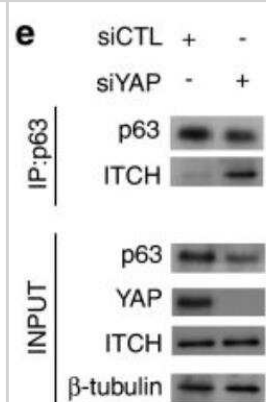
YAP1 Antibody (2F12) - Isoform 5 - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2F12
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Target Molecular Weight	65 kDa
Product Description	
Host	Mouse
Gene ID	10413
Gene Symbol	YAP1
Species	Human, Mouse, Porcine, Bovine, Canine
Reactivity Notes	Mouse reactivity reported in the scientific literature (PMID: 23791527). Use in Canine reported in scientific literature (PMID:28793266). Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. Use in Bovine reported in scientific publication PMID: 32513530
Specificity/Sensitivity	Expected cross reactivity based on immunogen sequence isoforms: Isoform 1 (100%), Isoform 2 (100%), Isoform 3 (100%), Isoform 6 (100%), Isoform 7 (100%), Isoform 8 (100%), Isoform 9 (100%)
Immunogen	YAP1 (NP_006097, 53 a.a. ~ 161 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. QIVHVRGDSETDLEALFNAVMNPKTANVPQTVPMRLRKL PDSFFKPPPEPKSHS RQASTDAGTAGALTPQHVR AHSSPASLQLGAVSPGTLTPTGVVSGPAATPTA QHLR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA 1:100-1:2000, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence 30 ug/ml, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 3 ug/ml, Knockdown Validated

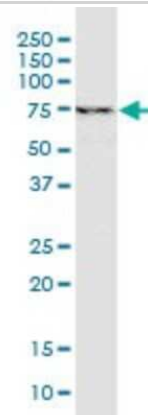


Images

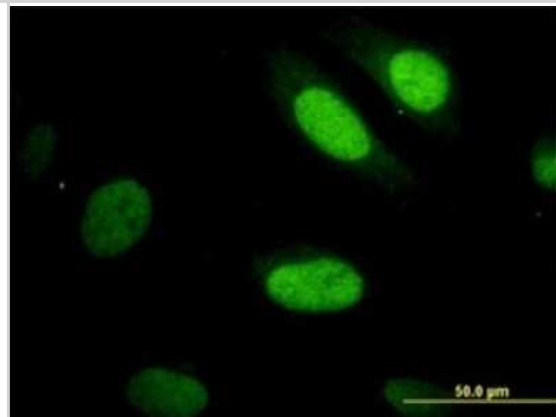
Western Blot: YAP1 Antibody (2F12) - Isoform 5 [H00010413-M01] - YAP1 Antibody (2F12) [H00010413-M01] - JNK phosphorylation of YAP enhances the stabilization of delta-Np63alpha by direct binding. H357 cells were transfected with control siRNA (siCTL) or YAP siRNA (siYAP) and 72 h later the cells were harvested for IP of endogenous p63. p63 IP eluates and input lysates were analyzed by Western blotting using the indicated antibodies. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/cddis20107>) licensed under a CC-BY license.



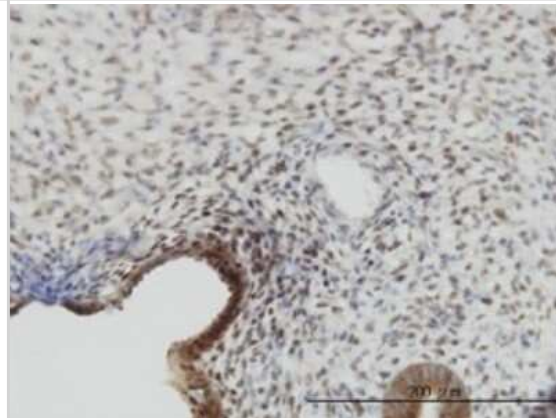
Western Blot: YAP1 Antibody (2F12) [H00010413-M01] - Analysis of YAP1 Antibody (2F12) Isoform 5 expression in HeLa S3 N cells. Observed molecular weight 75 kDa.



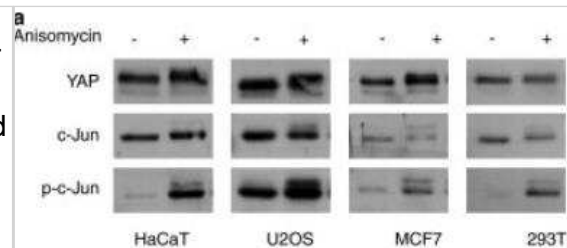
Immunocytochemistry/Immunofluorescence: YAP1 Antibody (2F12) [H00010413-M01] - Analysis of monoclonal antibody to YAP1 on HeLa cell. Antibody concentration 30 ug/ml.



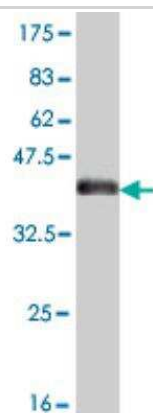
Immunohistochemistry-Paraffin: YAP1 Antibody (2F12) [H00010413-M01] - Analysis of monoclonal antibody to YAP1 on formalin-fixed paraffin-embedded human endometrium. Antibody concentration 3 ug/ml.



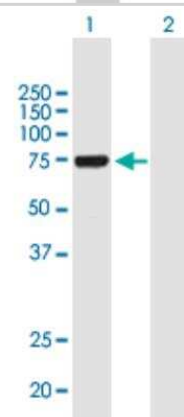
Western Blot: YAP1 Antibody (2F12) [H00010413-M01] - JNK specifically phosphorylates YAP in vivo. HaCaT, U2OS, MCF7 and 293T cell lines were treated with anisomycin or DMSO (control) for 60 min before harvesting. YAP band shift was analyzed as described before and lysates were analyzed by Western blotting with the indicated antibodies. Image collected and cropped by CiteAb from the following publication (<https://www.nature.com/articles/cddis20107>) licensed under a CC-BY license.



Western Blot: YAP1 Antibody (2F12) [H00010413-M01] - Immunogen detection using YAP1 antibody (2F12) Isoform 5, observed MW 37.73KDa) .



Western Blot: YAP1 Antibody (2F12) [H00010413-M01] - Analysis of YAP1 Antibody (2F12) Isoform 5 in transfected 293T cell line. Lane 1: YAP1 transfected lysate (TMW: 54.5 KDa, observed MW 75 KDa). Lane 2: Non-transfected lysate.



Publications

Chang CY, Shipony Z, Lin SG Et al. Increased ACTL6A occupancy within mSWI/SNF chromatin remodelers drives human squamous cell carcinoma Molecular cell 2021-10-19 [PMID: 34687603]

Nanami Kohri, Hiroki Akizawa, Sakie Iisaka, Hanako Bai, Yojiro Yanagawa, Masashi Takahashi, Masaya Komatsu, Masahito Kawai, Masashi Nagano, Manabu Kawahara Trophoblast regeneration to support full-term development in the inner cell mass isolated from bovine blastocyst The Journal of Biological Chemistry 2019-12-13 [PMID: 31704705]

D'Agostino L, Nie Y, Goswami S et al. Recycling Endosomes in Mature Epithelia Restrain Tumorigenic Signaling Cancer Research 2019-08-15 [PMID: 31239271] (In vivo assay)

Goswami S, Balasubramanian I, D'Agostino L et al. RAB11A-mediated YAP localization to adherens and tight junctions is essential for colonic epithelial integrity Journal of Biological Chemistry 2021-07-01 [PMID: 34058200]

Kawaue T, Yow I, Pan Y et al. Inhomogeneous mechanotransduction defines the spatial pattern of apoptosis-induced compensatory proliferation Developmental Cell 2023-02-27 [PMID: 36800994] (Immunocytochemistry/Immunofluorescence)

Bora-Singhal N, Mohankumar D, Saha B et Al. Novel HDAC11 inhibitors suppress lung adenocarcinoma stem cell self-renewal and overcome drug resistance by suppressing Sox2 Sci Rep 2020-03-13 [PMID: 32170113] (B/N)

Ourania P, Darcy K, Julia B et al. A case of YAP1 and NUTM1 rearranged porocarcinoma with corresponding immunohistochemical expression: Review of recent advances in poroma and porocarcinoma pathogenesis with potential diagnostic utility. J Cutan Pathol. 2020-08-05 [PMID: 32757412]

Keisuke G, Kohei O, Tsunekazu H et al. Seborrhic Keratosis With Malignant Transformation (Invasive or Noninvasive Squamous Cell Carcinoma Arising in Seborrhic Keratosis): A Clinicopathologic and Immunohistochemical Study of 11 Cases. Am J Dermatopathol. 2022-07-06 [PMID: 36395445]

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Lauren S, William S, Katelin H et al. Nucleotide- and Protein-Dependent Functions of Actg1. Mol Biol Cell. 2022-05-20 [PMID: 35594181]

Laura A, Marine L, Danahe M et al. Engineering Slit-Like Channels for Studying the Growth of Epithelial Tissues in 3D-confined Spaces. Biotechnol Bioeng. 2020-06-16 [PMID: 32484903]

Kim J, Kim J, Jeong J et al. Identification of a novel embryo-prevalent gene, Gm11545, involved in preimplantation embryogenesis in mice. FASEB J. 2019-07-19 [PMID: 31322925]

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Products Related to H00010413-M01

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NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00010413-P01-10ug	Recombinant Human YAP1 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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