

Mouse YAP1 Monoclonal Antibody | anti-YAP1 antibody

YAP1 (BSB-146)

CATALOG # AAA59397	HOST Mouse	REACTIVITY Human, Mouse, Rat
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PRODUCT SYNONYMS

YAP1; Monoclonal Antibody; YAP1 (BSB-146); yap1; yap-1; Yes-Associated Protein 1; anti-yap1; anti-yap-1; anti YAP; anti YAP1; anti-YAP; 65 kDa Yes associated protein; YAP; YAP2; YAP65; Yes associated protein 1; yes associated protein 2; YKI; Yorkie homolog; yes associated protein beta; yes associated protein delta; anti-YAP1 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	BSB-146
Form/Format	Paraffin, Frozen YAP1 is a mouse monoclonal antibody derived from cell culture supernatant that is concentrated, dialyzed, filter sterilized and diluted in buffer pH7.5, containing BSA and sodium azide as a preservative.
Immunogen	Synthetic peptide corresponding to the C-terminus of the human YAP1 protein.
Control	Testis, Placenta, Breast, Fallopian Tube, Transitional Cell Carcinoma, HER2 Negative Breast Cancer
Localization	Cytoplasmic, Nuclear
Product Limitations	Due to inherent variability present in immunohistochemical procedures (including fixation time of tissues, dilution factor of antibody, retrieval method utilized, and incubation time), optimal performance should be established through the use of positive and negative controls. Results should be interpreted by a qualified medical professional.
Control	Placenta, Breast, Fallopian Tube, Testis, Transitional Cell Carcinoma, HER2 Negative Breast Cancer
Application	Lung Cancer, Head and Neck Cancer, Breast Cancer, Colon and Gastrointestinal Cancer, Liver Cancer, Gallbladder and Pancreatic Cancer, Kidney and Urothelial Cancer, Neural and Neuroendocrine Cancer

Specimen Preparation

Paraffin sections:

The antibody can be used on formalin-fixed paraffin-embedded (FFPE) tissue sections. Ensure tissue undergoes appropriate fixation for best results. Pre-treatment of tissues with heat-induced epitope retrieval (HIER) is recommended using ImmunoDNA Retriever with Citrate (Please inquire), ImmunoDNA Retriever with EDTA (Please inquire), or ImmunoDNA Digestor (Please inquire). Tissue should remain hydrated via use of Immuno/DNAWasher solutions (Please inquire).

Frozen sections and cell preparations: The antibody can be used on acetone-fixed frozen sections and acetone-fixed cell preparations.

IHC Protocol:

1. Cut and mount 3-5 micron formalin-fixed paraffin-embedded tissues on positively charged slides such as Hydrophilic Plus Slides (please inquire).
2. Air dry for 2 hours at 58° C.
3. Deparaffinize, dehydrate and rehydrate tissues.
4. Subject tissues to heat induced epitope retrieval (HIER) using a suitable retrieval solution such as ImmunoDNA Retriever with Citrate (please inquire) or EDTA (please inquire).
5. Any of three heating methods may be used:
 - a. TintoRetriever Pressure Cooker or Equivalent Place tissues/slides in a staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA and place on trivet in the pressure cooker. Add 1-2 inches of distilled water to the pressure cooker and turn heat to high. Incubate for 15 minutes. Open and immediately transfer slides to room temperature.
 - b. TintoRetriever PT Module or Water Bath Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA at 95°-99° C. Incubate for 30-60 minutes.
 - c. Conventional Steamer Method Place tissues/slides in a pre-warmed staining dish or coplin jar containing the ImmunoDNA Retriever with Citrate or EDTA in a steamer, cover and steam for 30-60 minutes.
6. After heat treatment, transfer slides in ImmunoDNA Retriever with Citrate or EDTA to room temperature and let stand for 15-20 minutes.
7. For manual IHC, perform antibody incubation at ambient temperature. For automated IHC methods, perform antibody incubation according to instrument manufacturer's instructions.
8. Wash slides with ImmunoDNA washer or DI water.
9. Continue IHC protocol. Wash slides between each step with ImmunoDNA washer solution.

Preparation and Storage

Store at 2-8 degree C (Control Slides: Store at 20-25 degree C)

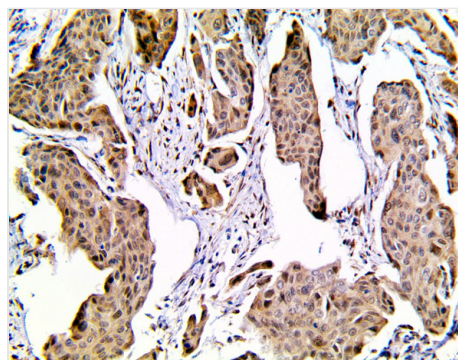
This product is stable up to the expiration date on the product label.

Do not use after expiration date listed on the package label. Temperature fluctuations should be avoided. Store appropriately when not in use, and avoid prolonged exposure to room temperature conditions.

IMAGES

Abbreviated Immunohistochemical Protocol			
Step	ImmunoDetector AP/HRP	PolyDetector AP/HRP	PolyDetector Plus HRP
Peroxidase/AP Blocker	5 min.	5 min.	5 min.
Primary Antibody	30-60 min.	30-60 min.	30-60 min.
1st Step Detection	10 min.	30-45 min.	15 min.
2nd Step Detection	10 min.	Not Applicable	15 min.
Substrate- Chromogen	5-10 min.	5-10 min.	5-10 min.
Counterstain / Coverslip	Varies	Varies	Varies

Application Data



IHC (Immunohistochemistry)

Inset: IHC of YAP1 on an FFPE Transitional Cell Carcinoma Tissue

Antibody Type	Dilution	Volume/Qty
Prediluted	Ready-To-Use	3.0 ml
Prediluted	Ready-To-Use	7.0 ml
Prediluted	Ready-To-Use	15.0 ml
Concentrated	1:25-1:100	0.1 ml
Concentrated	1:25-1:100	0.5 ml
Concentrated	1:25-1:100	1.0 ml
Control Slides		5

Dilution Info

ADDITIONAL INFORMATION

Related Product Information for anti-YAP1 antibody	Yes-Associated Protein 1 (YAP1) is a regulatory protein that binds the Src family tyrosine kinase YES, promotes transcriptional activation of cyclin E and inhibition of caspase-induced apoptosis. YAP1 is found in the cytoplasm, though transported into the nucleus to perform its roles in proliferation and assist in tissue repair and growth. YAP1 is essential for cancer growth, contributing to stem-cell-like features of proliferation and metastasis and inducing these features in neighboring cells. YAP1 may be upregulated or have higher nuclear localization in more malignant and metastatic tumors, as seen in Lung, Breast, Colorectal, Liver, Gastric, Pancreatic, and Brain Cancers. YAP1 antibody It is frequently overexpressed in Mammary carcinoma, Glioblastoma and Squamous Cell Carcinoma, Pancreatic, Oral, Cervical, Ovarian and Lung Cancers. YAP1 has been found to be expressed in fetal and adult brain regions known to harbor neural progenitor cells but there was little YAP1 immunoreactivity in the adult cerebral cortex. YAP1 protein was also readily detected in the nuclei of human brain tumors. In Medulloblastoma, expression varied between histologic subtypes and was most prominent in Nodular/Desmoplastic tumors. In Gliomas it was frequently expressed in infiltrating Astrocytomas and Oligodendrogliomas, but rarely in Pilocytic Astrocytomas. YAP1 antibody immunoreactivity has been found in the nuclei of tumor cells in 64.8% of Clear Cell Renal Cell Carcinoma (ccRCC) patients, whereas only 24.1% of tumors revealed cytoplasmic YAP1 expression with ccRCC patients having cytoplasmic YAP1 immunoexpression had significantly shorter OS (median = 26.8 months) than patients without cytoplasmic YAP1 and concluded that increased cytoplasmic YAP1 (HR = 4.53) and decreased LATS1 immunoreactivity levels (HR = 0.90) were associated with worse prognosis, being independent prognostic factors. These results suggest that YAP1 and LATS1 can be considered as new prognostic factors in ccRCC.
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/yap1-antibody-clone-bsb-146-elisa/59397>