

Product Datasheet

Alpha-tubulin Mouse Monoclonal Antibody (orb323092)

Catalog Number	orb323092
Category	Antibodies
Description	The Alpha-tubulin Antibody is suitable for IF, IHC, IP, WB. It is a Monoclonal, Unconjugated antibody which raised against Recombinant protein corresponding to human Alpha-tubulin. Purification: Affinity chromatography
Target	TUBA1A
Clonality	Monoclonal
Species/Host	Mouse
Conjugation	Unconjugated
Reactivity	Human, Mouse, Rat
Form/Appearance	Liquid
Buffer/Preservatives	0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 0.2% rAlbumin, 30% glycerol, and 0.01% sodium azide.
Purification	Affinity chromatography
Immunogen	Recombinant protein corresponding to human Alpha-tubulin.
UniProt ID	P68370, Q6P9V9, P05213, Q71U36, P68369, P68363
Tested applications	IF, IHC, IP, WB
Dilution range	WB: 1:5000-1:10000, IHC-P: 1:200-1:500, IF/ICC: 1:100-1:200, IP: 1:100-1:200

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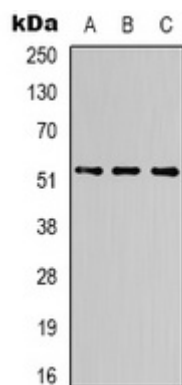
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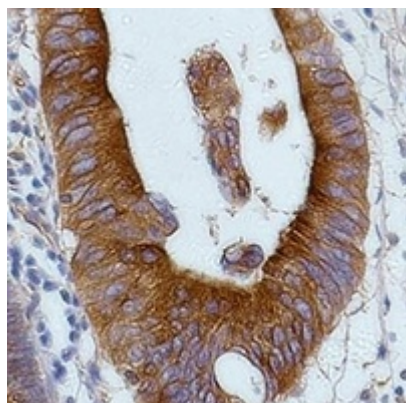
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Specificity	Recognizes endogenous levels of Alpha-tubulin protein.
Antibody Type	Primary Antibody
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Entrez	22143, 64158, 500929, 7846, 10376, 22142
Expiration Date	12 months from date of receipt.



Western blot analysis of Alpha-tubulin expression in Hela (A), mouse brain (B), rat brain (C) whole cell lysates. (Predicted band size: 50 kD; Observed band size: 52 kD)



Immunohistochemical analysis of Alpha-tubulin staining in human colon cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

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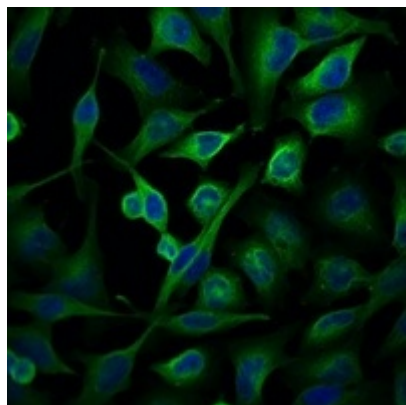
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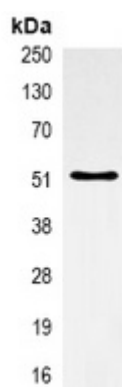
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Immunofluorescent analysis of Alpha-tubulin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a FITC-conjugated secondary antibody (green) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).



Immunoprecipitation of Alpha-tubulin from 0.5 mg mouse brain whole cell extract lysate, using Anti-Alpha-tubulin Antibody.

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