OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for TA501096

TUBA8 Mouse Monoclonal Antibody [Clone ID: OTI2G6]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI2G6
Applications:	IF, IHC, IP, WB
Recommend Dilution:	WB 1:2000, IHC: 1:50-1:150, IF 1:100, Flow 1:100
Reactivity:	Human, Monkey, Rat, Dog
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human TUBA8(NP_061816) produced in HEK293T cell.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.82 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Predicted Protein Size:	50.1 kDa
Gene Name:	tubulin alpha 8
Database Link:	NP_061816 Entrez Gene 500377 RatEntrez Gene 486762 DogEntrez Gene 710378 MonkeyEntrez Gene 51807 Human
Background:	Microtubules are cylindrical tubes of 20-25 nm in diameter. They are composed of protofilaments which are in turn composed of alpha- and beta-tubulin polymers. Each microtubule is polarized, at one end alpha-subunits are exposed (-) and at the other beta-subunits are exposed (+). Microtubules act as a scaffold to determine cell shape, and provide a backbone for cell organelles and vesicles to move on, a process that requires motor proteins. The major microtubule motor proteins are kinesin, which generally moves towards the (+) end of the microtubule, and dynein, which generally moves towards the (-) end. Microtubules also form the spindle fibers for separating chromosomes during mitosis.
Synonyms:	TUBAL2
Protein Families:	Druggable Genome

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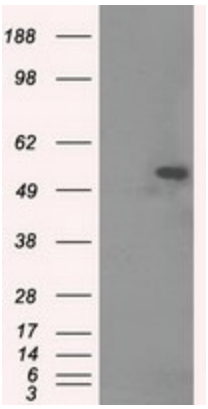
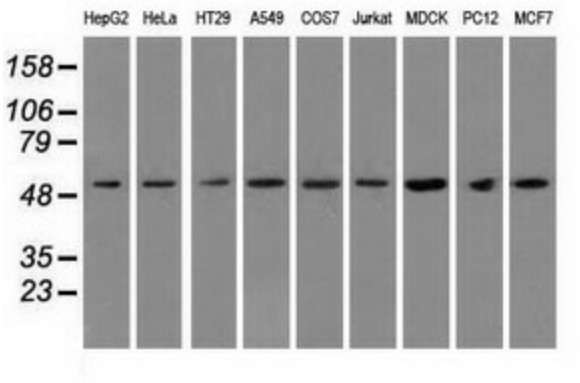
Protein Pathways: Gap junction, Pathogenic Escherichia coli infection

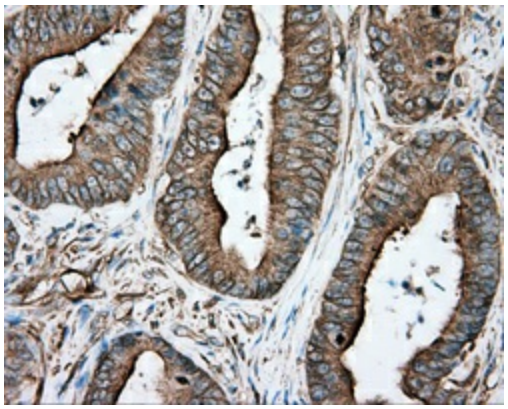
Product images:



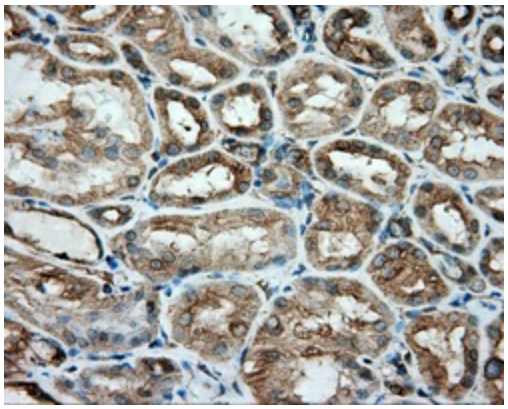
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY TUBA8 ([RC211175], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-TUBA8. Positive lysates [LY412867] (100ug) and [LC412867] (20ug) can be purchased separately from OriGene.



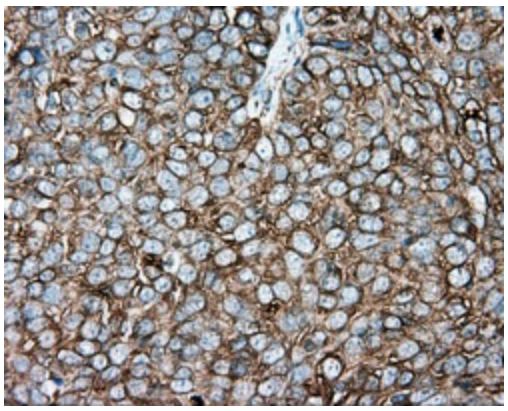
WB analysis of extracts (35ug) from 9 different cell lines by using anti-TUBA8 monoclonal antibody.



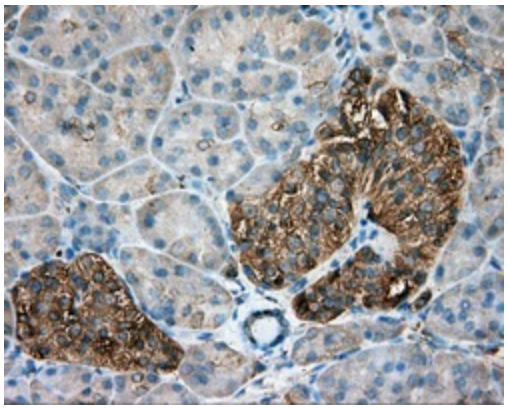
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of colon tissue using anti-TUBA8 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501096, Dilution 1:50)



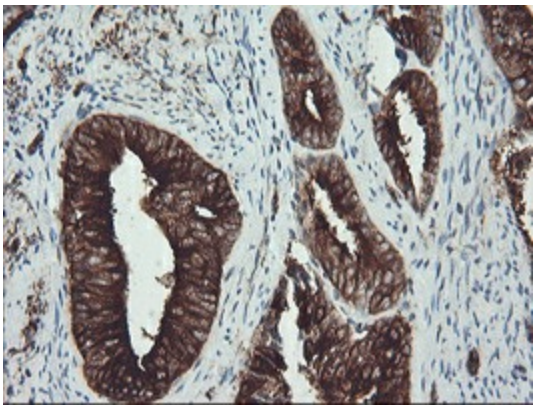
Immunohistochemical staining of paraffin-embedded Kidney tissue within the normal limits using anti-TUBA8 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501096, Dilution 1:50)



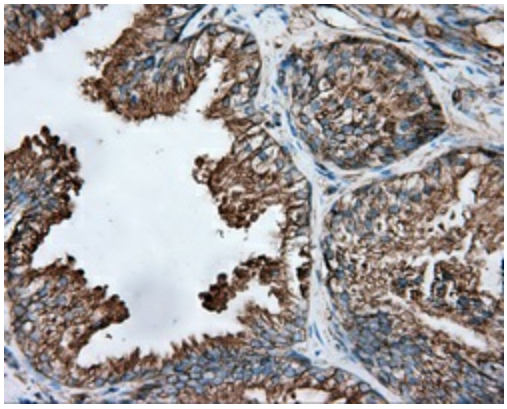
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of ovary tissue using anti-TUBA8 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501096, Dilution 1:50)



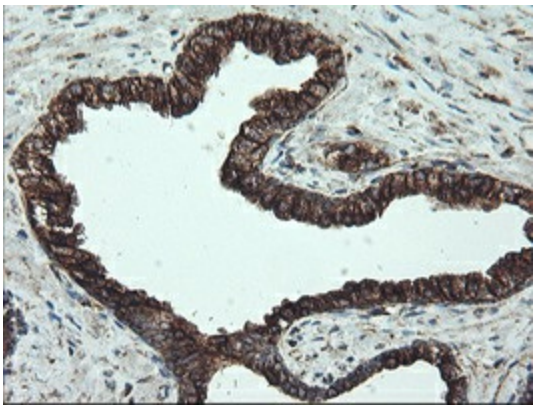
Immunohistochemical staining of paraffin-embedded pancreas tissue within the normal limits using anti-TUBA8 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501096, Dilution 1:50)



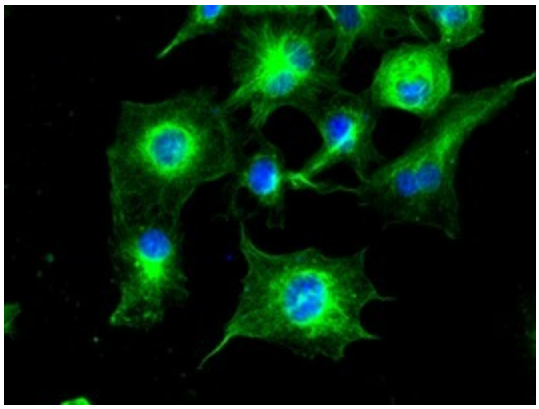
Immunohistochemical staining of paraffin-embedded Adenocarcinoma of Human endometrium tissue using anti-TUBA8 mouse monoclonal antibody. (TA501096)



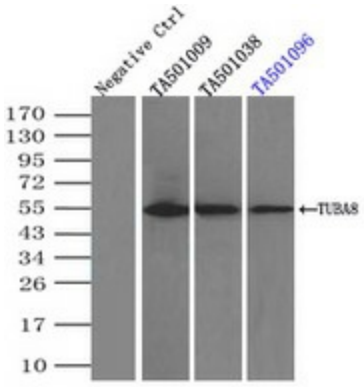
Immunohistochemical staining of paraffin-embedded prostate tissue within the normal limits using anti-TUBA8 mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, TA501096, Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human prostate tissue using anti-TUBA8 mouse monoclonal antibody. (TA501096)



Anti-TUBA8 mouse monoclonal antibody (TA501096) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY TUBA8 ([RC211175]).



Immunoprecipitation (IP) of TUBA8 by using TrueMab monoclonal anti-TUBA8 antibodies (Negative control: IP without adding anti-TUBA8 antibody.). For each experiment, 500ul of DDK tagged TUBA8 overexpression lysates (at 1:5 dilution with HEK293T lysate), 2ug of anti-TUBA8 antibody and 20ul (0.1mg) of goat anti-mouse conjugated magnetic beads were mixed and incubated overnight. After extensive wash to remove any non-specific binding, the immuno-precipitated products were analyzed with rabbit anti-DDK polyclonal antibody.