Catalog: OM626561

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β-tubulin [1-B11]

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☐ 100 µl

Product profile

Product name	β-tubulin [1-B11]
Antibody Type	Primary Antibodies
Product description	Tubulin is one of several members of a small family of globular proteins. The most common members of t he tubulin family are α-tubulin and β-tubulin. The beta-tubulin (relative molecular weight about 50 kDa) is counterpart of alpha-tubulin in tubulin heterodimer, it is coded by multiple tubulin genes and it is also post translationally modified. Heterogeneity of subunit is concentrated in C-terminal structural domain. Beta-T ubulin may have bound GTP or GDP. Under certain conditions β-tubulin can hydrolyze its bound GTP to GDP plus Pi, release the Pi, and exchange the GDP for GTP.
Immunogen	peptide

Key Feature

Clonality	Monoclonal
Isotype	IgG1
Host Species	Mouse
Tested Applications	WB ,ICC ,IHC ,FC
Species Reactivity	Human Mouse Rat Zebra Fish
Concentration	2 mg/mL.

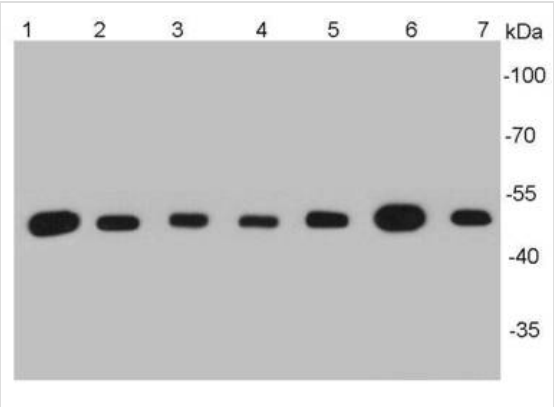
Target Information

Alternative Names	Beta 4 tubulin antibody Beta 5 tubulin antibody BetaTubulin antibody TBB5_HUMAN antibody TUBB anti body TUBB2 antibody TUBB2A antibody TUBB5 antibody tubulin beta 2A antibody Tubulin beta chain an tibody Tubulin beta-5 chain antibody
Molecular Weight(MW)	50 kDa
Cellular Localization	Cytoplasm ,cytoskeleton

Database Links

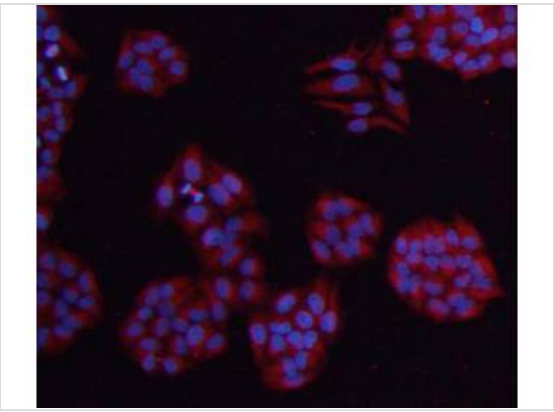
SwissProt ID	P07437

Application



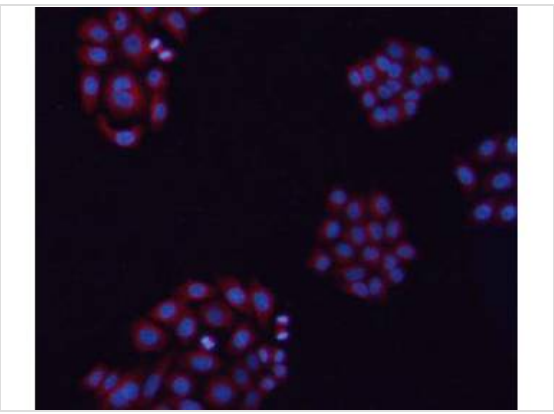
Application

Fig1: Western blot analysis of β-tubulin on different cell lysates using anti-β-tubulin antibody at 1/5000 dilution. Positive control: Lane 1: NCCIT Lane 2: NIH/3T3 Lane 3: PC12 Lane 4: Mouse heart Lane 5: F9 Lane 6: zebrafish brain Lane 7: Hela



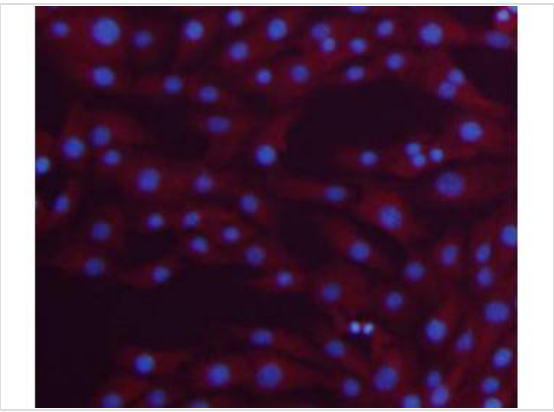
Application

Fig2: ICC staining β-tubulin in Hela cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Application

Fig3: ICC stainingβ-tubulin in HepG2 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

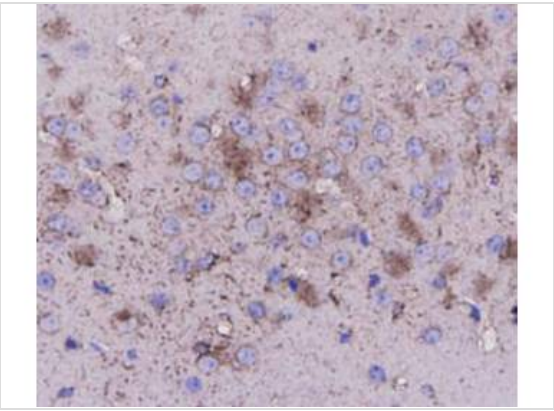


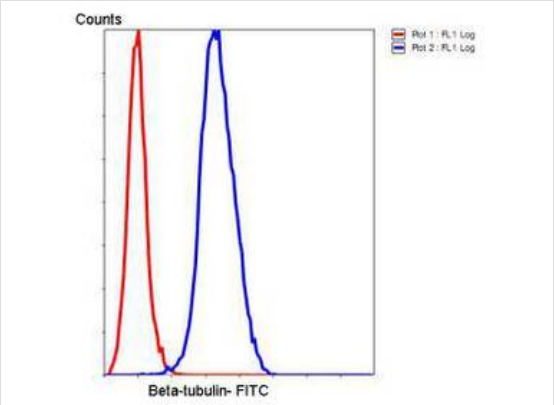
Application

Fig4: ICC stainingβ-tubulin in NIH/3T3 cells (red). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Application

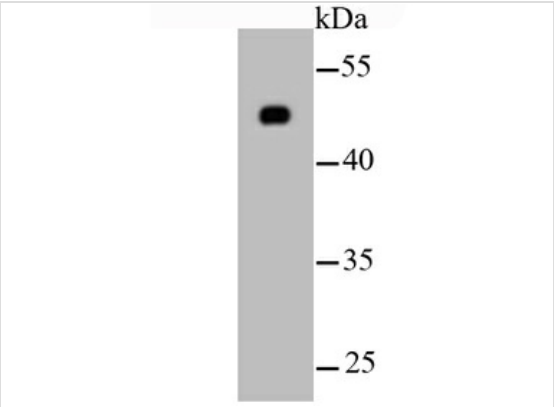
Fig5: Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-β-tubulin antibody. Counter stained with hematoxylin.





Application

Fig6: Flow cytometric analysis of HeLa?cells with β-tubulin antibody at 1/50 dilution (blue) compared with an unlabelled control (cells without incubation with primary antibody; red). Goat anti mouse IgG (FITC) was used as the secondary antibody.



Application

Fig7: Western blot analysis of β-tubulin on hybrid fish (crucian-carp) brain tissue lysate using anti-β-tubulin antibody at 1/500 dilution.

Positive Control	NCCIT, NIH/3T3, PC12, Mouse heart, F9, zebrafish brain, Hela HepG2, Mouse brain
Application Notes	**WB**:1:5,000-1:10,000 **ICC**:1:200 **IHC**:1:20 **FC**:1:50-1:100

Additional Information

Form	Liquid
Storage Instructions	Store at +4℃ after thawing. Aliquot store at -20℃ or -80℃. Avoid repeated freeze / thaw cycles.
Storage Buffer	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Note	The product is for research use only,not for use in diagnostic or therapeutic procedures.

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