

Anti-Beta-Tubulin 3 (TUJ) Antibody

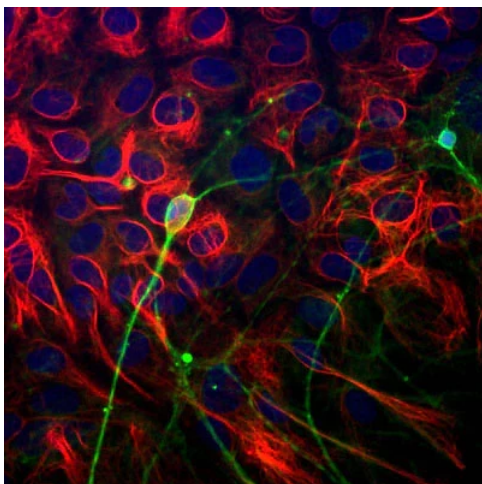


Product Details

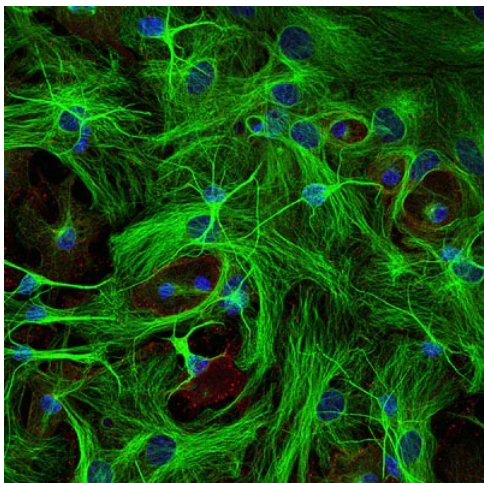
Available Variants	1000 µL (SKU:TUJ) 100 µL (SKU:TUJ-0020)
Isotype	IgY
Gene Name	TUBB3 TUBB4
Host Species	Chicken
Concentration	300 µg/mL
Format	Affinity-Purified IgY
Physical State	Liquid
Buffer	Phosphate-buffered (10 mM) isotonic (0.9%, w/v) saline ("PBS," pH 7.2) with sodium azide (0.02%, w/v) added as a preservative.
Production Notes	Chickens were immunized with three synthetic peptide / keyhole limpet hemocyanin (KLH) conjugates. These synthetic peptides corresponded to different regions of the β -Tubulin 3 gene product, but are shared between the human (NP_AAL28094, NCBI) and rat (AAM28438, NCBI) protein sequences. After repeated injections, immune eggs were collected, and the IgY fractions were purified from the yolks. These IgY fractions were then affinity-purified using a peptide column, and the concentrations of the eluates adjusted to 300 µg/mL. Finally, equal volumes of each of the three affinity-purified anti-peptide antibodies were mixed, and the preparation was filter-sterilized.
Applications	ICC, IHC, WB
Dilution Ranges	WB: 1:10000-1:20000 IHC: 1:2000-1:5000 ICC: 1:2000-1:5000
Species Reactivity	Human, Mouse, Rat
Immunogen	Synthetic peptides

Molecular Weight	50 kDa
Quality Control	Each of the three antibodies were analyzed by immunohistochemistry (at a dilution of 1:2000) using fluorescein-labeled goat anti-chicken IgY (1:500 dilution, Aves Labs Cat.# F-1005) as the secondary reagent.
Storage	Store at 4°C in the dark. Under these conditions, the antibodies should have a shelf life of at least twelve months, provided they remain sterile. For longer term storage, aliquot and freeze to avoid freeze-thaw of the antibody.
Antibody Registry ID	AB_2313564
UniProt ID	Q13509
Country of Origin	United States
Shipping	Ice packs
Expiration	12 months from receipt of product
Usage Statement	These antibodies are to be used as research laboratory reagents and are not for use as diagnostic or therapeutic reagents in humans.

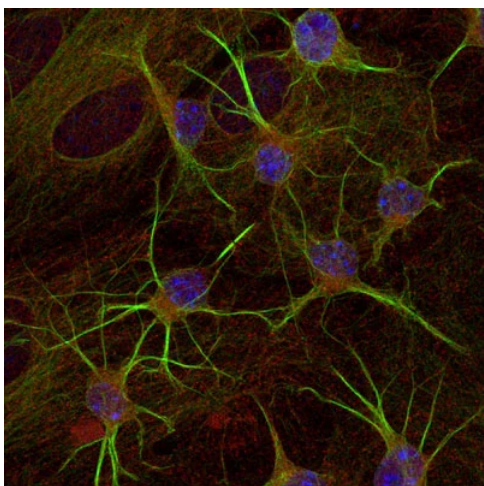
Product Images



Immunostaining of paraformaldehyde-fixed (4%) neonatal mouse brain cultures showing β -Tubulin 3 immunostaining (green, 1:1000). Red staining is rabbit-anti-GFAP, blue is DAPI nuclear counterstain. Secondary antibodies were fluorescein-labeled goat anti-chicken IgY; Texas Red-labeled goat anti-rabbit IgG. Image from Dr. Gerry Shaw (EnCor Biotechnology).



Immunostaining of paraformaldehyde-fixed (4%) cultures of SpH64 neuroblastoma cells showing β -Tubulin 3 immunostaining (green, 1:1000). Red staining is rabbit-anti-actin (1:1000); blue is DAPI nuclear counterstain. Secondary antibodies were fluorescein-labeled goat anti-chicken IgY (Cat. F-1005, 1:1000); Texas Red-labeled goat anti-rabbit IgG. Page Balisch (University of Arizona).



Immunostaining of paraformaldehyde-fixed (4%) cultures of SpH64 neuroblastoma cells showing β -Tubulin 3 immunostaining (green 1:1000). Red staining is rabbit-anti-actin (1:1000); blue is DAPI nuclear counterstain. Secondary antibodies were fluorescein-labeled goat anti-chicken IgY (Cat. F-1005, 1:1000); Texas Red-labeled goat anti-rabbit IgG. Page Balisch (University of Arizona).

Product Page URL: www.antibodiesinc.com/products/anti-beta-tubulin-3-antibody-tuj



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