

## beta Tubulin 3/ Tuj1 antibody [GT1338]

**Cat. No. GTX631831**

<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG2a
<b>Applications</b>	WB, ICC/IF, IHC-P, IHC-Fr
<b>Reactivity</b>	Human, Mouse, Rat

References ( 1 )

Package

100 µl, 25 µl

## Applications

**Application Note**

\*Optimal dilutions/concentrations should be determined by the researcher.

Suggested dilution	Recommended dilution
WB	1:500-1:20000
ICC/IF	1:100-1:1000
IHC-P	1:100-1:1000
IHC-Fr	Assay dependent

Not tested in other applications.

**Observed MW (kDa)** 50, 55 kDa.

## Properties

<b>Form</b>	Liquid
<b>Buffer</b>	PBS
<b>Preservative</b>	No preservatives
<b>Storage</b>	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.
<b>Concentration</b>	1.79 mg/ml (Please refer to the vial label for the specific concentration.)
<b>Immunogen</b>	Carrier-protein conjugated synthetic peptide encompassing a sequence within the C-terminus region of human beta Tubulin 3/ Tuj1. The exact sequence is proprietary.
<b>Purification</b>	Affinity purified by Protein A.
<b>Conjugation</b>	Unconjugated



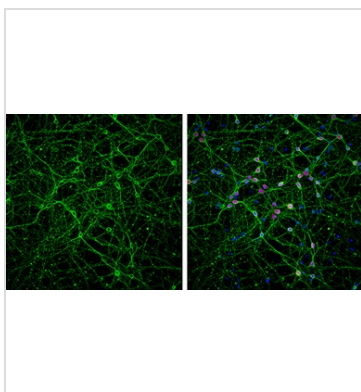
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**Note**

Purchasers shall not, and agree not to enable third parties to, analyze, copy, reverse engineer or otherwise attempt to determine the structure or sequence of the product.

DATA IMAGES



**GTX631831 ICC/IF Image**

beta Tubulin 3/ Tuj1 antibody [GT1338] detects beta Tubulin 3/ Tuj1 protein at cytoplasm by immunofluorescent analysis.

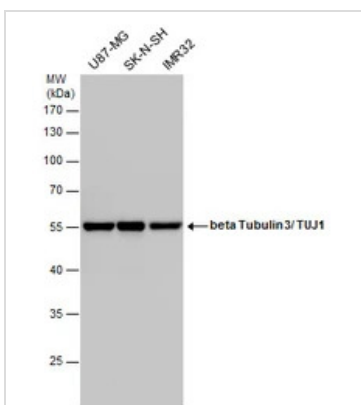
Sample: DIV9 rat E18 primary cortical neurons were fixed in 4% paraformaldehyde at RT for 15 min.

Green: beta Tubulin 3/ Tuj1 protein stained by beta Tubulin 3/ Tuj1 antibody [GT1338] (GTX631831) diluted at 1:500.

Red: NeuN, stained by NeuN antibody (GTX132974) diluted at 1:1000.

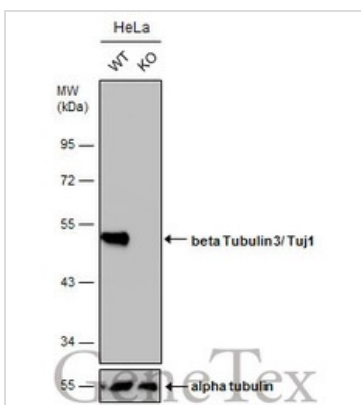
Blue: Fluoroshield with DAPI (GTX30920).

The staining pattern is based on the publication:[PMID: 30390091](https://pubmed.ncbi.nlm.nih.gov/30390091/)



**GTX631831 WB Image**

beta Tubulin 3/ TUJ1 antibody detects beta Tubulin 3/ TUJ1 protein by Western blot analysis. Various whole cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Tubulin 3/ TUJ1 antibody (GTX631831) diluted by 1:1000.



**GTX631831 WB Image**

Wild-type (WT) and beta Tubulin 3/ Tuj1 knockout (KO) HeLa cell extracts (30 µg) were separated by 10% SDS-PAGE, and the membrane was blotted with beta Tubulin 3/ Tuj1 antibody [GT1338] (GTX631831) diluted at 1:5000. The HRP-conjugated anti-mouse IgG antibody (GTX213111-01) was used to detect the primary antibody.



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