

# Product Datasheet

## beta-III Tubulin Antibody (TU-20) [Alexa Fluor® 405] NB600-1018AF405

Unit Size: 0.1 ml

Store at 4C in the dark.

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**NB600-1018AF405**

beta-III Tubulin Antibody (TU-20) [Alexa Fluor® 405]

<b>Product Information</b>	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at 4C in the dark.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	TU-20
<b>Preservative</b>	0.05% Sodium Azide
<b>Isotype</b>	IgG1
<b>Conjugate</b>	Alexa Fluor 405
<b>Purity</b>	Protein A or G purified
<b>Buffer</b>	50mM Sodium Borate
<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Gene ID</b>	10381
<b>Gene Symbol</b>	TUBB3
<b>Species</b>	Human, Mouse, Rat, Canine
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions. Rat reactivity reported in scientific literature (PMID: 23984759).
<b>Marker</b>	Neuronal Marker
<b>Specificity/Sensitivity</b>	The antibody TU-20 recognizes C-terminal peptide sequence ESESQGPK (aa 441-448) of neuron-specific human betaIII-tubulin.
<b>Immunogen</b>	Peptide (C) 441-448 coupled to maleimide-activated keyhole limpet hemocyanin via cysteine added to the N-terminus of the neuron-specific peptide.



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<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
<b>Recommended Dilutions</b>	Western Blot, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin, Flow (Intracellular)

### Publications

Leupold L, Sigutova V, Gerasimova E et al. The Quest for Anti- $\alpha$ -Synuclein Antibody Specificity-Lessons Learnt From Flow Cytometry Analysis *Frontiers in neurology* 2022-07-15 [PMID: 35911883] (ICC/IF)

**Details:**

AF488-conjugate. Flow: 2 ug per test, ICC/IF: 1:100 dilution, WB: 1:500 dilution

Krach F, Wheeler EC, Regensburger M Et al. Aberrant NOVA1 function disrupts alternative splicing in early stages of amyotrophic lateral sclerosis *Acta Neuropathol* 2022-07-01 [PMID: 35778567] (FLOW, Human)

**Details:**

Citation using the Alexa Fluor 405 version of this antibody.





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### **Products Related to NB600-1018AF405**

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NBP1-97005AF405	Mouse IgG1 Isotype Control (MG1) [Alexa Fluor® 405]
NB600-1018AF488	beta-III Tubulin Antibody (TU-20) [Alexa Fluor® 488]
NBP2-22901	Recombinant Human beta-III Tubulin His Protein
1129-ER-050	ErbB2/Her2 [Unconjugated]

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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