

# Product Datasheet

## beta Tubulin Antibody (4E4) - BSA Free NBP2-50047

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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### Publications: 2

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**NBP2-50047**

beta Tubulin Antibody (4E4) - BSA Free

Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	4E4
<b>Preservative</b>	5mM Sodium Azide
<b>Isotype</b>	IgG2a
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	50% PBS, 50% glycerol
<b>Target Molecular Weight</b>	50 kDa

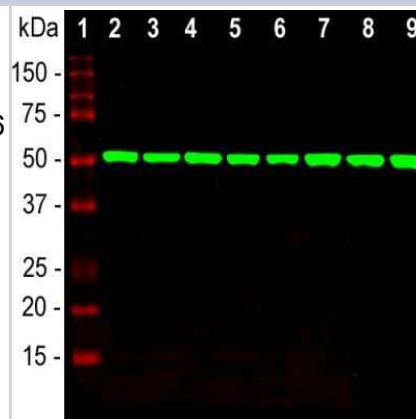
Product Description	
<b>Description</b>	Novus Biologicals Mouse beta Tubulin Antibody (4E4) - BSA Free (NBP2-50047) is a monoclonal antibody validated for use in IHC, WB and ICC/IF. Anti-beta Tubulin Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	203068
<b>Gene Symbol</b>	TUBB
<b>Species</b>	Human, Mouse, Rat, Monkey
<b>Immunogen</b>	Pig brain beta Tubulin. [UniProt# Q767L7]

Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:5000 - 1:10000, Immunohistochemistry 1:1000-1:5000, Immunocytochemistry/ Immunofluorescence 1:1000 - 1:5000

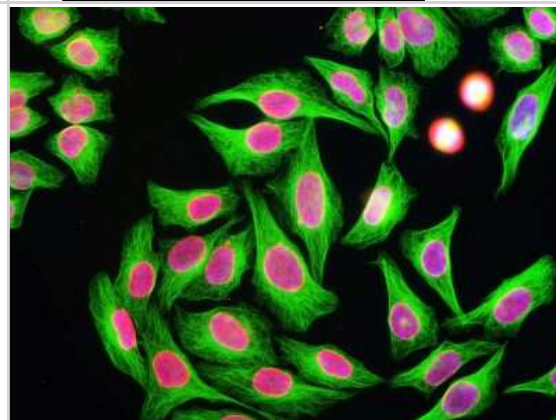


## Images

Western Blot: beta Tubulin Antibody (4E4) [NBP2-50047] - Analysis of equal amounts of cell line and whole brain lysates using mouse mAb to Beta-tubulin NBP2-50047, dilution 1:5,000 in green: [1] protein standard (red), [2] HEK293, [3] HeLa, [4] SH-SY5Y, [5] COS-1, [6] NIH-3T3, [7] C6 cells, [8] rat brain, and [9] mouse brain. Strong band at 50 kDa corresponds to the Beta-tubulin proteins.



Immunocytochemistry/Immunofluorescence: beta Tubulin Antibody (4E4) [NBP2-50047] - HeLa cells stained with NBP2-50047 (green) and chicken antibody to Lamin A+C (NBP2-25152, red) and DNA in blue. NBP2-50047 reveals strong microtubular staining in the cytoplasm of HeLa cells, while the Lamin A+C localizes in the nuclear membrane.



## Publications

Hoeffner N, Paul A, Goo YH Drug screen identifies verteporfin as a regulator of lipid metabolism in macrophage foam cells *Scientific reports* 2023-11-09 [PMID: 37949969] (WB, Mouse)

Allen AG, Khan SQ, Margulies CM et al. A highly efficient transgene knock-in technology in clinically relevant cell types *Nature biotechnology* 2023-05-01 [PMID: 37127662]



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### **Products Related to NBP2-50047**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96778	Mouse IgG2a Isotype Control (M2A)

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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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