Anti-beta III Tubulin Antibody [TUBB3/3732] (A248108)

Specifications:
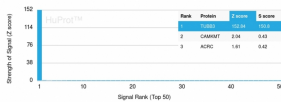
Name:	Anti-beta III Tubulin Antibody [TUBB3/3732]
Description:	Mouse monoclonal [TUBB3/3732] antibody to beta III Tubulin.
Specificity:	This gene encodes a class III member of the beta tubulin protein family. Beta tubulins are one of two core protein families (alpha and beta tubulins) that heterodimerize and assemble to form microtubules. This protein is primarily expressed in neurons and may be involved in neurogenesis and axon guidance and maintenance. Mutations in this gene are the cause of congenital fibrosis of the extraocular muscles type 3.In adults, tubulin beta 3 (TUBB3) is primarily expressed in neurons and is commonly used as a neuronal marker. It plays an important role in neuronal cell proliferation and differentiation.
Applications:	IHC-P
Recommended Dilutions:	IHC-P: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Synthetic peptide corresponding to amino acids 437-450 of human beta III Tubulin, coupled to KLH.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	TUBB3/3732
Isotype:	IgG2a
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-beta III Tubulin Antibody [TUBB3/3732] - BSA and Azide free (A251291).

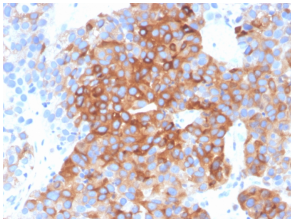# Anti-beta III Tubulin Antibody [TUBB3/3732] (A248108)

Specifications continued:

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Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:

Analysis of protein array containing more than 19,000 full-length human proteins using Anti-beta III Tubulin Antibody [TUBB3/3732]. Z-Score and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Immunohistochemical analysis of formalin-fixed, paraffin-embedded human bladder carcinoma using Anti-beta III Tubulin Antibody [TUBB3/3732].
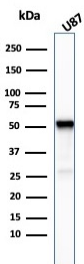
Western blot analysis of U87 cell lysate using Anti-beta III Tubulin Antibody [TUBB3/3732].