

Rabbit Beta III Tubulin Polyclonal Antibody | anti-TUBB3 antibody

Anti-Beta III Tubulin Antibody

CATALOG # AAA46735	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Immunohistochemistry, Western Blot
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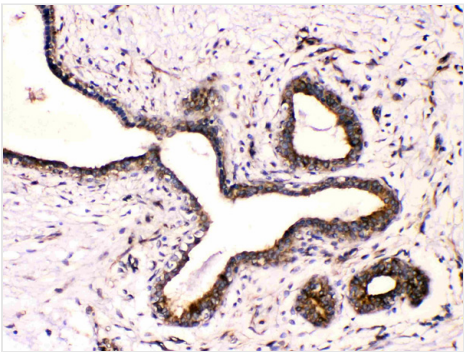
PRODUCT SYNONYMS

Beta III Tubulin; Polyclonal Antibody; Anti-Beta III Tubulin Antibody; beta 3 tubulin; beta-4; CDCBM; CDCBM1; CFEOM3A; CFEOM3; FEOM3; M(beta)3; M(beta)6; MC1R; Tubb 3; TUBB3; TUBB4; Tubulin beta 3; Tubulin beta 3 chain; Tubulin beta 4; Tubulin beta-4 chain; Tubulin beta III; Tubulin beta-III; Q13509; tubulin beta 3 class III; anti-TUBB3 antibody

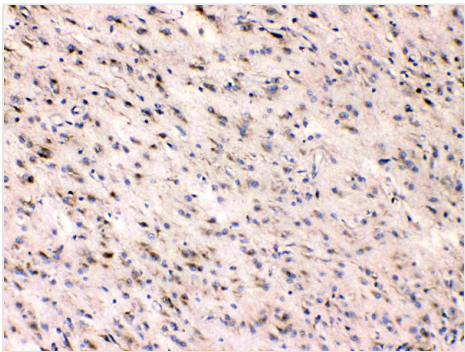
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Sequence Length	378
Applicable Applications for anti-TUBB3 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Notes	Tested Species: In-house tested species with positive results. By Heat: Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins is required for the staining of formalin/paraffin sections. Other applications have not been tested.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Beta III Tubulin (383-412aa EQFTAMFRRKAFLHWYTGEGMDEMEFTEAE), identical to the related mouse and rat sequences.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing.

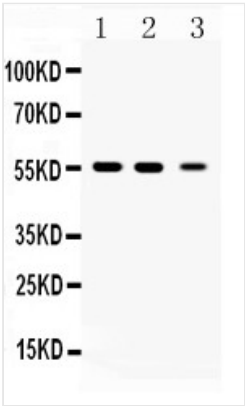
IMAGES



IHC (Immunohistochemisry)
Beta III Tubulin was detected in paraffin-embedded sections of human mammary cancer tissues using rabbit anti- Beta III Tubulin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



IHC (Immunohiostchemistry)
Beta III Tubulin was detected in paraffin-embedded sections of human glioma tissues using rabbit anti- Beta III Tubulin Antigen Affinity purified polyclonal antibody at 1ug/mL. The immunohistochemical section was developed using SABC method.



WB (Western Blot)
Western blot analysis of Beta III Tubulin expression in rat brain extract (lane 1), mouse brain extract (lane 2) and HELA whole cell lysates (lane 3). Beta III Tubulin at 55KD was detected using rabbit anti- Beta III Tubulin Antigen Affinity purified polyclonal antibody at 0.5ug/mL. The blot was developed using chemiluminescence (ECL) method.

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody	Rabbit IgG polyclonal antibody for Tubulin beta-3 chain(TUBB3) detection. Background: Tubulin beta-3 chain is a protein that in humans is encoded by the TUBB3 gene. 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. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 6.
References	1. Ranganathan S, Dexter DW, Benetatos CA, Hudes GR (Mar 1998). "Cloning and sequencing of human betaIII-tubulin cDNA: induction of betaIII isotype in human prostate carcinoma cells by acute exposure to antimicrotubule agents". Biochim Biophys Acta. 1395 (2): 237-45. 2. Cicchillitti L, Penci R, Di Michele M, Filippetti F, Rotilio D, Donati MB, Scambia G, Ferlini C (July 2008).

NCBI AND UNIPROT INFORMATION

NCBI GI #	308235963
NCBI GeneID	10381
NCBI Accession #	NP_001184110.1
NCBI GenBank Nucleotide #	NM_001197181.1
UniProt Accession #	Q13509; Q9BTZ0; Q9BW10; A8K854

Molecular Weight	42,433 Da
NCBI Official Full Name	tubulin beta-3 chain isoform 2
NCBI Official Synonym Full Names	tubulin beta 3 class III
NCBI Official Symbol	TUBB3
NCBI Official Synonym Symbols	CDCBM; FEOM3; TUBB4; CDCBM1; CFEOM3; beta-4; CFEOM3A
NCBI Protein Information	tubulin beta-3 chain
UniProt Protein Name	Tubulin beta-3 chain
UniProt Gene Name	TUBB3
UniProt Synonym Gene Names	TUBB4

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/beta-iii-tubulin-antibody-immunohistochemistry-western-blot-elisa/46735>