

Mouse beta-Tubulin Monoclonal Antibody | anti-TUBB3 antibody

beta-Tubulin Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA328215	Mouse	Human, Mouse, Rat, Sheep, Rabbit, Dog, Monkey, Hamster, Chicken	Immunofluorescence, Immunohistochemistry, Western Blot

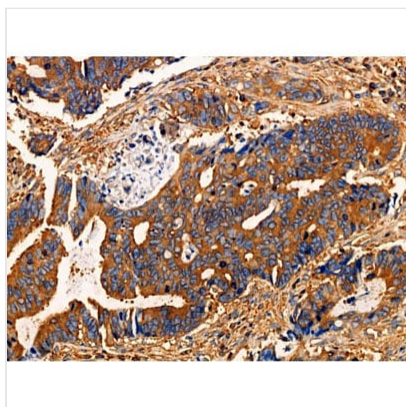
PRODUCT SYNONYMS

beta-Tubulin; Monoclonal Antibody; beta-Tubulin Mouse Monoclonal Antibody; TUBB3; CDCBM; Beta III Tubulin; Class III beta-tubulin; TUBB4; Tubulin; beta 3; Tubulin beta-III; Tubulin beta-3 chain; Tubulin beta-4 chain; beta 3 class III; CFEOM3A; anti-TUBB3 antibody

PRODUCT SPECIFICATIONS

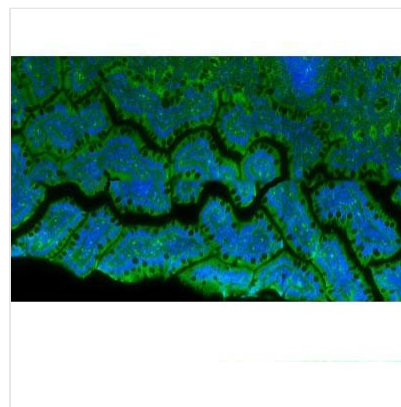
Host	Mouse
Reactivity	Human, Mouse, Rat, Sheep, Rabbit, Dog, Monkey, Hamster, Chicken
Clonality	Monoclonal
Isotype	IgG1
Specificity	beta-Tubulin Mouse Monoclonal antibody detects endogenous levels of total beta-Tubulin protein.
Purity/Purification	Peptide affinity purification
Form/Format	Phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl.
Concentration	1mg/ml (varies by lot)
Sequence Length	378
Applicable Applications for anti-TUBB3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Full-length beta-tubulin protein of human

IMAGES



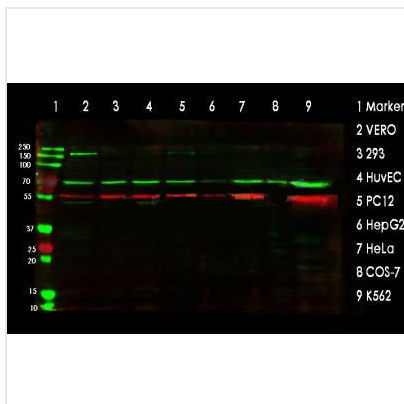
IHC (Immunohistochemistry)

AAA328215 at 1/100 staining Human colorectal cancer by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4°C overnight. An HRP conjugated anti-Mouse antibody was used as the secondary antibody.



IF (Immunofluorescence)

IF/ICC staining of rat intestine tissue using beta-Tubulin Mouse Monoclonal Antibody.



WB (Western Blot)

Western blot analysis of hsc70 using various lysates. Lanes 1 - 2: Merged signal (red and green). Green - AF5187 observed at 70kDa. Red - loading control, AAA328215, observed at 55 kDa. Blots were developed with Goat Anti-Rabbit IgG(H+L)FITC-conjugated and Goat Anti-Mouse IgG(H+L) AlexaFluor 594-conjugated secondary antibodies

ADDITIONAL INFORMATION

Related Product Information for anti-TUBB3 antibody	Microtubules are constituent parts of the mitotic apparatus, cilia, flagella, and elements of the cytoskeleton. They consist principally of 2 soluble proteins, alpha-and beta-tubulin, each of about 55, 000 kDa. Antibodies against beta-Tubulin are useful as loading controls for Western Blotting. However it should be noted that levels of beta-Tubulin may not be stable in certain cells. For example, expression of beta-Tubulin in adipose tissue is very low and therefore beta-Tubulin should not be used as loading control for these tissues.
References	Deng H, Xu H, Zhang X, Sun Y, Wang R, Brann D, Yang F; Journal: Toxicol Appl Pharmacol. Protective effect of Ac-SDKP on alveolar epithelial cells through inhibition of EMT via TGF-beta1/ROCK1 pathway in silicosis in rat. Yingying X, Caijuan W, Yenan Y, Yuqin T, Xueqin C, Zhongming W; Journal: Med Sci Monit.

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	55 kD
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.