

TUBB recombinant antibody

TUBB Recombinant Monoclonal Antibody

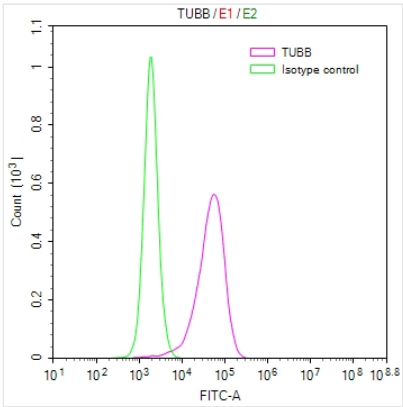
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA28078	HEK293F Cell	Human, Mouse	ELISA, Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

TUBB; Monoclonal Recombinant Antibody; TUBB Recombinant Monoclonal Antibody; Beta 4 tubulin antibody; Beta 5 tubulin antibody; beta 1b tubulin antibody; Beta1 tubulin antibody; Class I beta tubulin antibody; M40 antibody; MGC117247 antibody; MGC16435 antibody; OK/SW cl.56 antibody; OK/SWcl.56 antibody; TBB5_HUMAN antibody; TUBB 1 antibody; TUBB 2 antibody; TUBB 5 antibody; TUBB antibody; TUBB1 antibody; TUBB2 antibody; TUBB5 antibody; tubulin beta 1 chain antibody; Tubulin beta 2 chain antibody; tubulin beta 5 chain antibody; Tubulin beta chain antibody; Tubulin beta class I antibody; tubulin beta polypeptide antibody; Tubulin beta-5 chain antibody; TUBB recombinant antibody

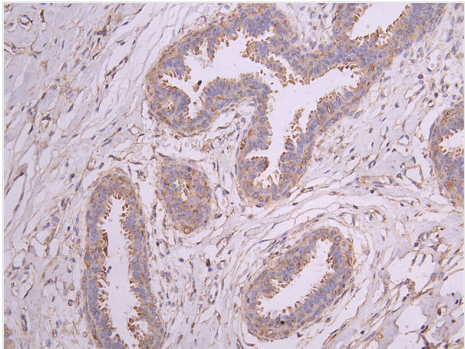
PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human, Mouse
Clonality	Monoclonal
Isotype	hIgG1
Clone Number	16E11D4
Purity/Purification	Affinity chromatography
Form/Format	Liquid; 0.03% Proclin 300, 50% glycerol, 0.01M PBS, pH 7.4.
Applicable Applications for TUBB recombinant antibody	ELISA, WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:200 FC/FACS: 1:50-1:200
Antigen Species	Human
Immunogen	Recombinant Human TUBB protein
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.



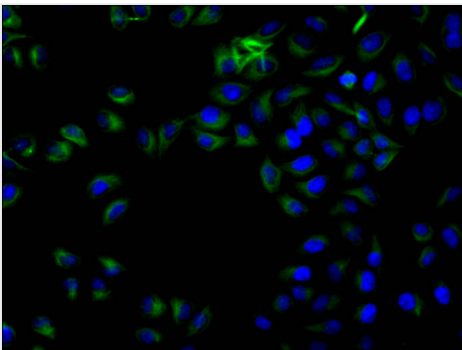
FCM (Flow Cytometry)

Overlay Peak curve showing K562 cells stained with AAA28078 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1ug/1*10⁶cells) for 45min at 4 degree C. The secondary antibody used was FITC-conjugated Goat Anti-human IgG(H+L) at 1:200 dilution for 35min at 4 degree C. Control antibody (green line) was human IgG (1ug/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



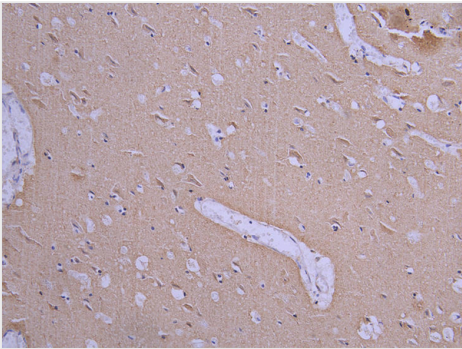
IHC (Immunohistochemistry)

IHC image diluted at 1:200 and staining in paraffin-embedded human breast cancer performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.



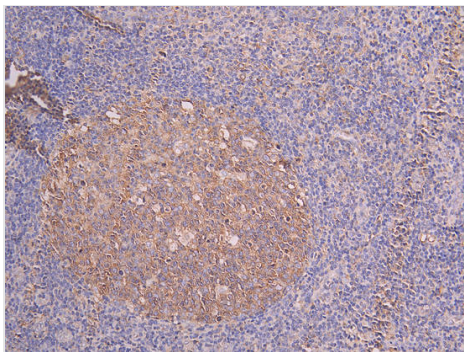
IF (Immunofluorescence)

Immunofluorescence staining of HeLa cell with AAA28078 at 1:100, counter-stained with DAPI. The cells were fixed in 4% formaldehyde and blocked in 10% normal Goat Serum. The cells were then incubated with the conjugated AffiniPure Goat Anti-Human IgG(H+L).

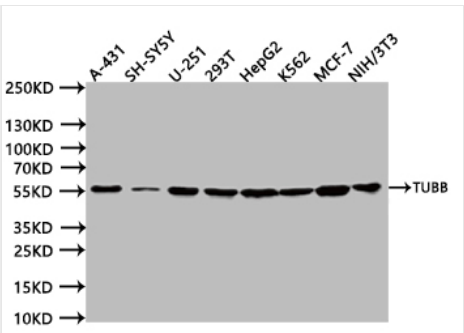


IHC (Immunohistochemistry)

IHC image diluted at 1:200 and staining in paraffin-embedded human brain tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.



IHC (Immunohistochemistry)
IHC image diluted at 1:200 and staining in paraffin-embedded human tonsil tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4 degree C overnight. The primary is detected by a Goat anti-human polymer IgG labeled by HRP and visualized using 0.05% DAB.



WB (Western Blot)
Western Blot Positive WB detected in: A431 whole cell lysate (20ug), SH-SY5Y whole cell lysate (20ug), U251 whole cell lysate (20ug), 293T K562 whole cell lysate (20ug), MCF7 whole cell lysate (20ug), NIH/3T3 whole cell lysate (20ug) All lanes: TUBB antibody at 1:1000 Second antibody size: 49 kDa Observed band size: 55 kDa Exposure time: 5s

ADDITIONAL INFORMATION

Product Categories/Family for TUBB recombinant antibody	Isotype/Loading Controls, Tags & Cell Markers, Signal transduction
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29788785
NCBI GeneID	203068
NCBI Accession #	NP_821133.1
NCBI GenBank Nucleotide #	NM_178014.2
UniProt Accession #	P07437; P05218; Q8WUC1; Q9CY33
Molecular Weight	444
NCBI Official Full Name	tubulin beta chain
NCBI Official Synonym Full Names	tubulin, beta class I
NCBI Official Symbol	TUBB
NCBI Official Synonym Symbols	M40; TUBB1; TUBB5; OK/SW-cl.56
NCBI Protein Information	tubulin beta chain; beta1-tubulin; beta 5-tubulin; beta-4 tubulin; beta 1b tubulin; class I beta-tubulin; tubulin beta-1 chain; tubulin beta-5 chain; tubulin beta polypeptide; tubulin, beta polypeptide
UniProt Protein Name	Tubulin beta chain
UniProt Gene Name	TUBB
UniProt Synonym Gene Names	TUBB5
UniProt Entry Name	TBB5_HUMAN

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.