Product Datasheet

gamma Tubulin Antibody (TU-32) - BSA Free
NB110-90616

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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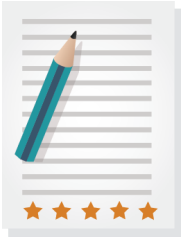


NB110-90616

gamma Tubulin Antibody (TU-32) - BSA Free

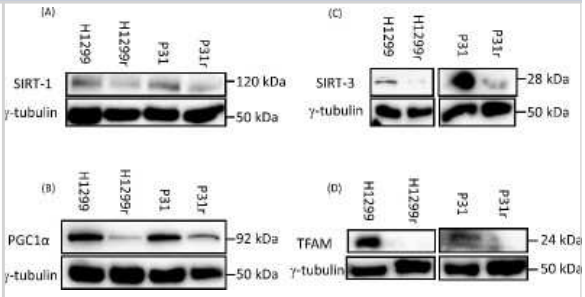
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	TU-32
Preservative	0.9% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.4)
Target Molecular Weight	48 kDa

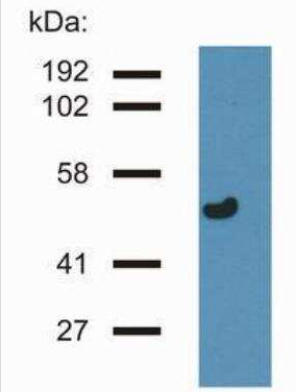
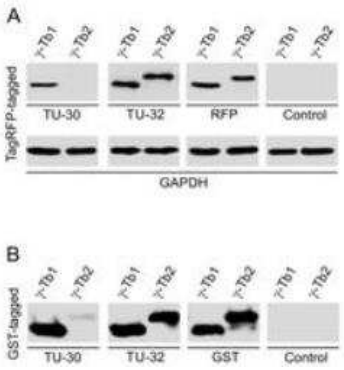
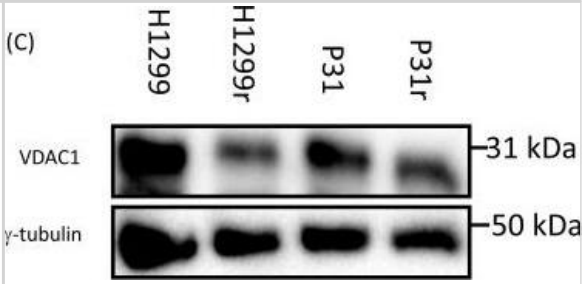
Product Description	
Host	Mouse
Gene ID	7283
Gene Symbol	TUBG1
Species	Human, Porcine, Animal, Plant, Protozoa
Reactivity Notes	Human reactivity reported in scientific literature (PMID: 29212260).
Marker	Centrosome Marker
Specificity/Sensitivity	The TU-32 recognizes an epitope (amino acids 434-449 in human) within C-terminus of gamma-tubulin, a 48 kDa structural constituent of cytoskeleton and microtubule organizing center (MTOC).
Immunogen	human gamma-tubulin peptide EYHAATRPDYISWGTQ, amino acids 434-449

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1 ug/ml, Immunocytochemistry/ Immunofluorescence 1:10-1:2000
Application Notes	Immunocytochemistry: methanol/acetone fixation required

Images

Western Blot: gamma Tubulin Antibody (TU-32) [NB110-90616] - Expression of the mitochondrial biogenesis proteins: SIRT1, PGC1alpha, TFAM and SIRT3 in H1299, H1299r, P31 and P31r cell lysates as determined by immunoblot analysis. Whole cell lysates were prepared from confluent cultures of H1299, H1299r, P31 and P31r cells. Proteins (90 ug) were resolved in 10% SDS-PAGE gels and transferred to a PVDF membrane. Blots were probed for SIRT1, PGC1alpha, TFAM and SIRT3 or the loading control gamma-tubulin. Figure shows representative blots of (A) of SIRT1, (B) PGC1alpha, (C) SIRT3, (D) TFAM protein expression; each from three independent experiments. Image collected and cropped by CiteAb from the following publication (www.oncotarget.com/lookup/doi/10.18632/oncotarget.21885) licensed under a CC-BY license.



Western Blot: gamma Tubulin Antibody (TU-32) [NB110-90616] - Analysis of gamma-Tubulin in porcine brain lysate using NBP1-90616.	
Western Blot: gamma Tubulin Antibody (TU-32) [NB110-90616] - Differential reactivity of monoclonal antibodies to gamma-tubulin with human gamma-tubulin isotypes. (A) Immunoblots of total cell lysates from SH-SY5Y cells, expressing TagRFP-tagged human gamma-tubulin 1 (gamma-Tb1) or gamma-tubulin 2 (gamma-Tb2), probed with Abs to gamma-tubulin (TU-30, TU-32), TagRFP (RFP) and GAPDH. In control samples, only secondary anti-mouse Ab was applied. (B) Immunoblots of immobilized GST-tagged human C-terminal regions (a.a. 362-451) of gamma-Tb1 or gamma-Tb2 probed with Abs to gamma-tubulin (TU-30, TU-32) and GST. In control samples, only secondary anti-mouse Ab was applied.	
Western Blot: gamma Tubulin Antibody (TU-32) - BSA Free [NB110-90616] - Comparative mitochondrial abundance as measured by citrate synthase activity, abundance of VDAC1 & cytochrome oxidase subunit 4 (A) Citrate synthase enzyme activity in the H1299 & H1299r cells. (B) Citrate synthase enzyme activity in the P31 & P31r cells. Data are expressed as mean ± SEM for three separate experiments. Statistical analysis was carried out using the student t-test. *** = p< 0.001, ** = p<0.01. For immunoblots, whole cell lysates were prepared from confluent cultures of H1299, H1299r, P31 & P31r cells. Proteins (90 µg) were resolved in 10% SDS-PAGE gels & transferred to a PVDF membrane. Blots were probed for either VDAC1, cytochrome c oxidase subunit 4 or the loading control γ-tubulin. (C) Representative blot of VDAC1 protein expression from three independent experiments. (D) Representative blot of cytochrome c oxidase subunit 4 protein expression from three independent experiments. Image collected & cropped by CiteAb from the following publication (https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.21885), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Noone J, Rooney MF, Karavyraki M et al. Cancer-Cachexia-Induced Human Skeletal Muscle Myotube Degeneration Is Prevented via Cannabinoid Receptor 2 Agonism In Vitro Pharmaceuticals (Basel, Switzerland) 2023-11-08 [PMID: 38004445] (WB)

Geoghegan F, Chadderton N, Farrar GJ et al. Direct effects of phenformin on metabolism/bioenergetics and viability of SH-SY5Y neuroblastoma cells Oncol Lett. 2017-09-13 [PMID: 29113281] (WB, Human)

Geoghegan F, Buckland RJ, Rogers E et al. Bioenergetics of acquired cisplatin resistant H1299 non-small cell lung cancer and P31 mesothelioma cells Oncotarget. 2017-10-16 [PMID: 29212260] (WB, Human)

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Products Related to NB110-90616

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB110-90616UV	gamma Tubulin Antibody (TU-32) [DyLight 350]

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