

gamma Tubulin Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Human, Mouse, Rat, Zebrafish
Published Species	Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 1 and 184 of gamma Tubulin (Uniprot ID#P23258)
Form	Liquid
Concentration	0.95 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2552167

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	-
Immunohistochemistry (IHC)	-	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunohistochemistry (PFA fixed) (IHC (PFA))	Assay-dependent	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication
Immunoprecipitation (IP)	1:100-1:500	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

Recommended positive controls: 293T, A431, HeLa, Jurkat, Raji, NCI-H929, NIH3T3, rat kidney.

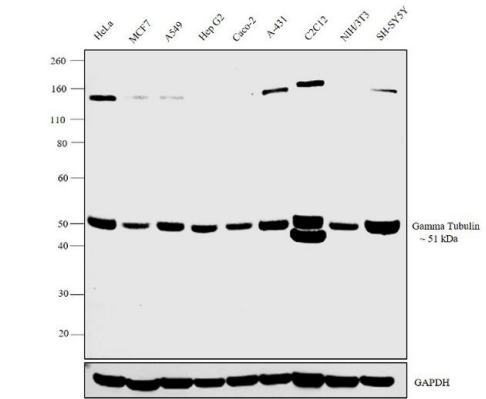
Predicted reactivity: Mouse (99%), Rat (99%), Zebrafish (98%), Xenopus laevis (99%), Dog (100%), Rhesus Monkey (100%), Chimpanzee (100%), Bovine (100%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

Product Images For gamma Tubulin Polyclonal Antibody

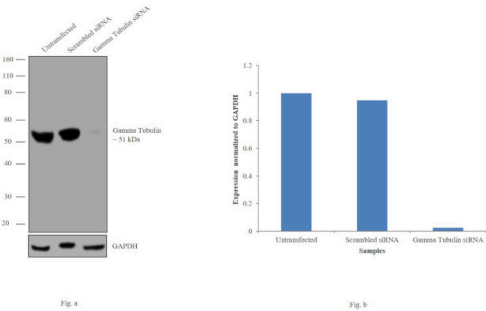
gamma Tubulin Antibody (PA5-34815) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), MCF7 (Lane 2), A549 (Lane 3), Hep G2 (Lane 4), Caco-2 (Lane 5), A-431 (Lane 6), C2C12 (Lane 7), NIH/3T3 (Lane 8) and SH-SY5Y (Lane 9). The blot was probed with Anti-gamma Tubulin Polyclonal Antibody (Product # PA5-34815, 1:2000 dilution) and detected by chemiluminescence using Goat anti Rabbit IgG (Heavy Chain) Superclonal™ Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4000 dilution). A 51 kDa band corresponding to gamma Tubulin was observed across all cell lines tested. An additional band at 150 kDa was also observed in HeLa, MCF7, A549, Hep G2, A-431, C2C12 and SH-SY5Y.



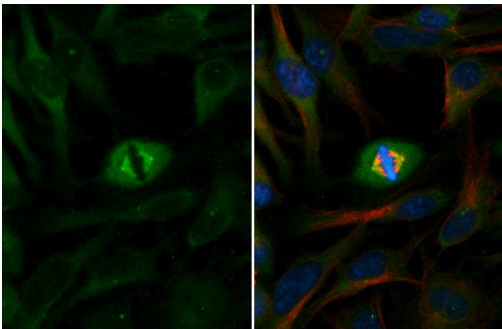
gamma Tubulin Antibody (PA5-34815)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HeLa cells were transfected with gamma Tubulin siRNA and reduction of signal was observed in Western Blot using gamma Tubulin Polyclonal Antibody (Product # PA5-34815). {KD}



gamma Tubulin Antibody (PA5-34815) in ICC/IF

gamma Tubulin Polyclonal Antibody detects gamma Tubulin protein at centrosome by immunofluorescent analysis. Sample: HeLa cells were fixed in ice-cold MeOH for 5 min. Green: gamma Tubulin stained by gamma Tubulin Polyclonal Antibody (Product # PA5-34815) diluted at 1:1,000. Red: alpha Tubulin, stained by alpha Tubulin Polyclonal Antibody [GT114] (Product # MA5-31466) diluted at 1:500. Blue: Fluoroshield with DAPI .



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Immunohistochemistry (1)

<p>BMC cell biology</p> <p>A novel interaction between kinase activities in regulation of cilia formation.</p> <p>"PA5-34815 was used in Immunohistochemistry to demonstrate a complex interplay between Nek2 and AurA kinases in regulation of ciliation in ARPE-19 cells."</p> <p>Authors: DeVaul N,Koloustroubis K,Wang R,Sperry AO</p>	<p>Year 2017</p> <p>Species Human</p>
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Immunocytochemistry (1)

<p>BMC molecular and cell biology</p> <p>The PP1 regulator PPP1R2 coordinately regulates AURKA and PP1 to control centrosome phosphorylation and maintain central spindle architecture.</p> <p>"Published figure using gamma Tubulin polyclonal antibody (Product # PA5-34815) in Immunocytochemistry"</p> <p>Authors: Bresch AM,Yerich N,Wang R,Sperry AO</p>	<p>Year 2020</p>
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Miscellaneous PubMed (1)

<p>Nature communications</p> <p>Phosphoproteomic analysis of neoadjuvant breast cancer suggests that increased sensitivity to paclitaxel is driven by CDK4 and filamin A.</p> <p>"PA5-34815 was used in Sample Preparation to find candidate biomarkers of paclitaxel sensitivity using phosphoproteomic screening of samples from HER2-negative female breast cancer receiving neoadjuvant paclitaxel."</p> <p>Authors: Mouron S,Bueno MJ,Lluch A,Manso L,Calvo I,Cortes J,Garcia-Saenz JA,Gil-Gil M,Martinez-Janez N,Apala JV,Caleiras E,Ximénez-Embún P,Muñoz J,Gonzalez-Cortijo L,Murillo R,Sánchez-Bayona R,Cejalvo JM,Gómez-López G,Fustero-Torre C,Sabroso-Lasa S,Malats N,Martinez M,Moreno A,Megias D,Malumbres M,Colomer R,Quintela-Fandino M</p>	<p>Year 2022</p> <p>Species Human</p> <p>Dilution 1:1000</p>
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