

Product Datasheet

TUBGCP2 Antibody (GCP2-01) - BSA Free NBP2-21793

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NBP2-21793

TUBGCP2 Antibody (GCP2-01) - BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	GCP2-01
Preservative	15mM Sodium Azide
Isotype	IgG2b Kappa
Purity	Protein A purified
Buffer	Phosphate buffered saline (PBS), pH 7.4
Target Molecular Weight	103 kDa

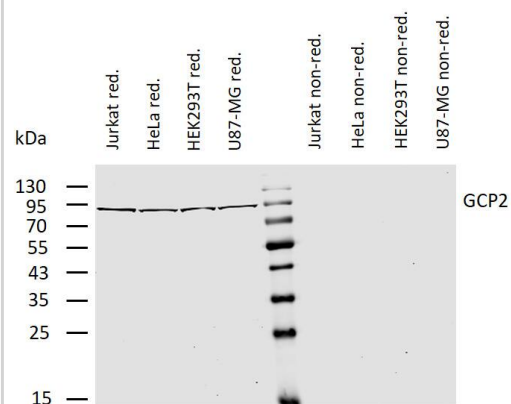
Product Description	
Description	Novus Biologicals Mouse TUBGCP2 Antibody (GCP2-01) - BSA Free (NBP2-21793) is a monoclonal antibody validated for use in IHC, WB, ICC/IF and IP. Anti-TUBGCP2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	10844
Gene Symbol	TUBGCP2
Species	Human, Mouse, Rat, Porcine
Reactivity Notes	Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-questions.
Specificity/Sensitivity	The mouse monoclonal antibody GCP2-01 recognizes gamma-tubulin complex component 2 (GCP2), a 95-103 kDa protein. It recognizes also phosphorylated GCP2.
Immunogen	GST-fusion protein containing amino acids 2-194 of mouse GCP2.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:2000, Immunohistochemistry 1:50-1:300, Immunocytochemistry/ Immunofluorescence 1:50-1:300, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Paraffin 1:10-1:500
Application Notes	Western Blot: can be used, but not optimal

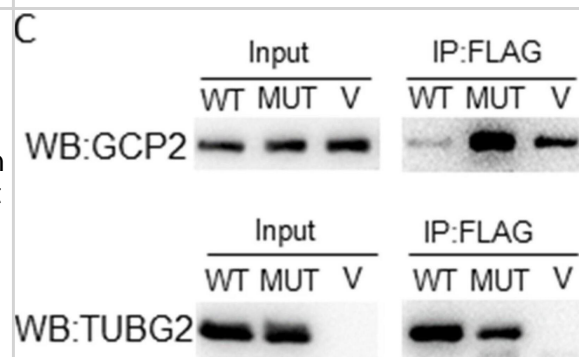


Images

Analysis of human gamma-tubulin complex component 2 (GCP2) using mouse monoclonal antibody GCP2-01 on lysates of various cell lines under reducing and non-reducing conditions. Nitrocellulose membrane was probed with 2 µg/ml of mouse anti-GCP2 monoclonal antibody followed by IRDye800-conjugated anti-mouse secondary antibody. A specific band was detected for GCP2 at approximately 95 kDa.



(A) shows the mRNA expression of exogenous wild-type (WT) and exogenous mutant (MUT). They are not significantly different ($p = n.s.$). (B) This shows the decreased protein expression of the recombinant mutant protein compared to recombinant WT protein. (C) GCP2 and TUBG2 interaction is increased due to the p.(Met249Ile) variant. Co-IP in cells transfected with either WT, MUT or empty vector demonstrates that the TUBG2-GCP2 interaction is increased due to the MUT vector versus WT vector. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/36672848>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Thulasirajah S, Wang X, Sell E et al. A De Novo Missense Variant in TUBG2 in a Child with Global Developmental Delay, Microcephaly, Refractory Epilepsy and Perisylvian Polymicrogyria Genes 2022-12-29 [PMID: 36672848] (WB, Human)



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Products Related to NBP2-21793

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43317-0.5mg	Mouse IgG2b Kappa Light Chain Isotype Control (MG2b)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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