

# Product Datasheet

## TPX2 Antibody (TPX2-01) - BSA Free NBP2-67265

Unit Size: 0.1 mg

Store at 4C.

[www.novusbio.com](http://www.novusbio.com)



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### Publications: 1

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**NBP2-67265**

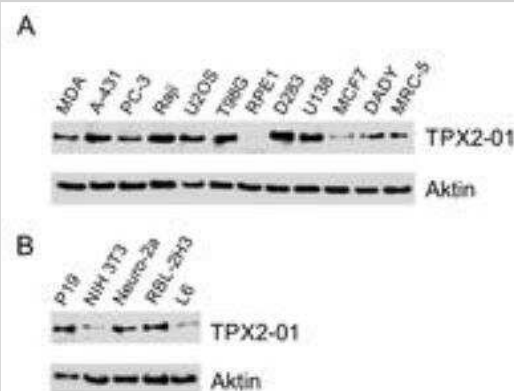
TPX2 Antibody (TPX2-01) - BSA Free

<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	TPX2-01
<b>Preservative</b>	15mM Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Protein A purified
<b>Buffer</b>	Phosphate buffered saline (PBS), pH 7.4
<b>Product Description</b>	
<b>Description</b>	Novus Biologicals Mouse TPX2 Antibody (TPX2-01) - BSA Free (NBP2-67265) is a monoclonal antibody validated for use in IHC, WB, ELISA, ICC/IF and IP. Anti-TPX2 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	22974
<b>Gene Symbol</b>	TPX2
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-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 questions.
<b>Specificity/Sensitivity</b>	The mouse monoclonal antibody TPX2-01 recognizes the epitope EPFVPKKEKKS (aa 636-646 in human) of TPX2, a microtubule-associated intracellular critical regulator of mitosis, which is overexpressed in many types of tumors and is a marker of worse prognosis in various cancers.
<b>Immunogen</b>	Human TPX2
<b>Product Application Details</b>	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot, ELISA, Immunohistochemistry, Immunocytochemistry/Immunofluorescence, Immunoprecipitation, Immunohistochemistry-Paraffin

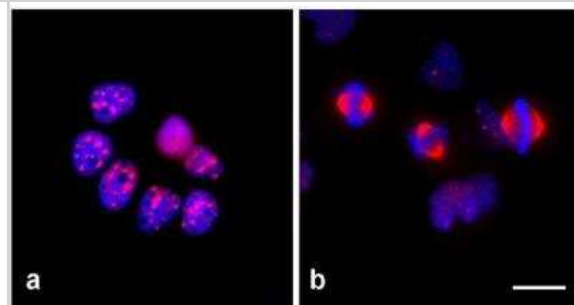


## Images

Western Blot: TPX2 Antibody (TPX2-01) [NBP2-67265] - Analysis of TPX2 using monoclonal antibody TPX2 in A) human cell lines, B) murine (P19, NIH 3T3, Neuro-2a) and rat (RBL-2H3, L6) cell lines.



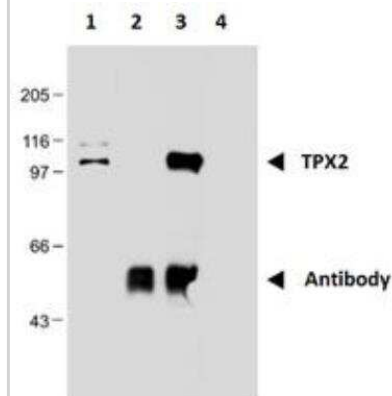
Immunocytochemistry: TPX2 Antibody (TPX2-01) [NBP2-67265] - Glioblastoma cell line T98G: a) interphase, b) mitosis. Bar: 20  $\mu$ m.



Immunohistochemistry: TPX2 Antibody (TPX2-01) [NBP2-67265] - TPX2 in U87MG human glioblastoma cells (orthotopic xenograft in murine brain). Bar: 20  $\mu$ m.



Immunoprecipitation: TPX2 Antibody (TPX2-01) [NBP2-67265] - TPX2 from nuclear extract of HEK293 cells using monoclonal antibody TPX2. 1) nuclear extract, 2) antibody, 3) immunoprecipitate, 4) carrier



## Publications

Zhang Y, Fan B, Li X et al. Phosphorylation of adducin-1 by TPX2 promotes interpolar microtubule homeostasis and precise chromosome segregation in mouse oocytes Cell & bioscience 2022-12-20 [PMID: 36539904] (ICC/IF, WB, Mouse)



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### Products Related to NBP2-67265

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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]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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### 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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