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## anti-TPX2 antibody (AA 551-650)





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#### Overview

Quantity:	100 μL
Target:	TPX2
Binding Specificity:	AA 551-650
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPX2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from human TPX2
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Pig,Horse,Rabbit
Purification:	Purified by Protein A.
Tarret Dataila	

#### Target Details

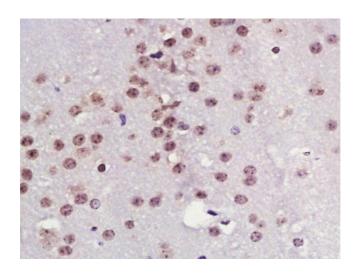
### **Target Details**

Alternative Name:	TPX2 (TPX2 Products)
Background:	Synonyms: C200RF1, C20orf2, Chromosome 20 Open Reading Frame 1, Dferentially expressed
	in cancerous and non-cancerous lung cells 2, Dferentially expressed in cancerous and
	noncancerous lung cells 2, Dferentially expressed in lung cells 2, Dferentially expressed in lung
	cells, DIL 2, DIL-2, DIL2, FLS353, GD:C20orf1, HCA 519, HCA519, HCTP 4, HCTP4,
	Hepatocellular carcinoma associated antigen 519, Hepatocellular carcinoma-associated
	antigen 519, p100, Preferentially expressed in colorectal cancer, Protein FLS353, REPP 86,
	repp86, Restricted expression proliferation associated protein 100, Restricted expression
	proliferation-associated protein 100, Targeting protein for XKLP2, TPX 2, TPX2, TPX2
	microtubule associated homolog, TPX2 microtubule associated protein homolog,
	TPX2_HUMAN.
	Background: TPX2 is essential for spindle pole and mitotic spindle formulation, playing a role in
	the S and G2 phases of mitosis. It is also critical for the function of protein kinase Aurora A.
	TPX2 autophosphorylates Aurora A, targeting it to the spindle apparatus and allowing it to
	function in eukaryotic meiotic and mitotic cell cycles. TPX2 has also been found to be highly
	expressed in cancer cells.
Gene ID:	22974
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin

#### Handling

Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Images**



#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Paraformaldehyde-fixed, paraffin embedded mouse brain, Antigen retrieval by boiling in sodium citrate buffer (pH6) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes, Blocking buffer (normal goat serum) at 37°C for 20min, Antibody incubation with TPX2 Polyclonal Antibody at 1:400 overnight at 4°C, followed by a conjugated secondary and DAB staining.