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anti-TPX2 antibody (AA 160-320)

2 Images



Go to Product page

Overview

Quantity:	100 μg	
Target:	TPX2	
Binding Specificity:	AA 160-320	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This TPX2 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)	

Product Details

Immunogen:	Recombinant Human Targeting protein for Xklp2 protein (160-320AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	TPX2
Alternative Name:	TPX2 (TPX2 Products)
Background:	Background: Spindle assembly factor required for normal assembly of mitotic spindles.
	Required for normal assembly of microtubules during apoptosis. Required for chromatin and/or

kinetochore dependent microtubule nucleation. Mediates AURKA localization to spindle microtubules (PubMed:18663142, PubMed:19208764). Activates AURKA by promoting its autophosphorylation at \\\'Thr-288\\\' and protects this residue against dephosphorylation (PubMed:18663142, PubMed:19208764). TPX2 is inactivated upon binding to importin-alpha (PubMed:26165940). At the onset of mitosis, GOLGA2 interacts with importin-alpha, liberating TPX2 from importin-alpha, allowing TPX2 to activates AURKA kinase and stimulates local microtubule nucleation (PubMed:26165940).

Aliases: C200RF1 antibody, C20orf2 antibody, Chromosome 20 Open Reading Frame 1 antibody, Differentially expressed in cancerous and non-cancerous lung cells 2 antibody, Differentially expressed in cancerous and noncancerous lung cells 2 antibody, Differentially expressed in lung cells 2 antibody, Differentially expressed in lung cells antibody, DIL 2 antibody, DIL-2 antibody, DIL-2 antibody, FLS353 antibody, GD:C20orf1 antibody, HCA 519 antibody, HCA519 antibody, HCTP 4 antibody, HCTP4 antibody, Hepatocellular carcinoma associated antigen 519 antibody, Hepatocellular carcinoma-associated antigen 519 antibody, p100 antibody, Preferentially expressed in colorectal cancer antibody, Protein fls353 antibody, REPP 86 antibody, repp86 antibody, Restricted expression proliferation associated protein 100 antibody, Targeting protein for Xklp2 antibody, TPX 2 antibody, TPX2 antibody, TPX2 microtubule associated homolog antibody, TPX2 microtubule associated protein homolog antibody, TPX2 microtubule nucleation factor antibody, TPX2_HUMAN antibody

UniProt:

Q9ULW0

Application Details

Application Notes:	Recommended dilution: WB:1:500-1:5000, IHC:1:200-1:500,

Restrictions: For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

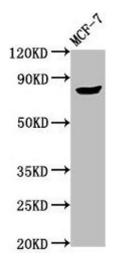
Handling

Storage: -20 °C,-8	°C
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Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.

Images





Immunohistochemistry

Image 1. IHC image of ABIN7171526 diluted at 1:200 and staining in paraffin-embedded human testis tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.

Western Blotting

Image 2. Western Blot Positive WB detected in: MCF-7 whole cell lysate All lanes: TPX2 antibody at 3.5 μg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 86, 90 kDa Observed band size: 86 kDa