antibodies - online.com







anti-TPX2 antibody (AA 350-382)

Images



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Overview	
Quantity:	400 μL
Target:	TPX2
Binding Specificity:	AA 350-382
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TPX2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This P100 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 350-382 amino acids from human P100.
Clone:	RB0559
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	TPX2
Alternative Name:	P100 (TPX2 Products)

Target Details

Background:

The nuclear protein p100 is a proliferation-associated protein whose expression is restricted to cell cycle phases S, G2, and M. Exclusively expressed in proliferating cells from the transition G1/S until the end of cytokinesis. During mitosis it is strictly associated with the spindle pole and with the mitotic spindle, whereas during S and G2, it is diffusely distributed throughout the nucleus. The full-length cDNA encodes a 747-amino acid protein with a putative ATP/GTP-binding site motif. RT-PCR analysis demonstrated strong expression of in lung carcinoma cell lines but not in normal lung tissues. Expression was also found in adult placenta, skeletal muscle, thymus, testis, and small intestine and in fetal brain, liver, and kidney. P100 is also correlated to cancer prognosis.

Molecular Weight:	85653
Gene ID:	22974
NCBI Accession:	NP_036244

Application Details

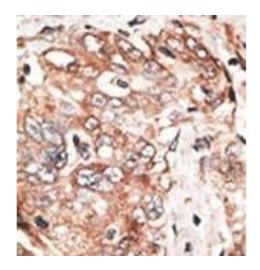
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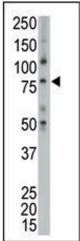
Application Notes:	WB: 1:1000. IHC-P: 1:50~100
Restrictions:	For Research Use only

Handling

UniProt:

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. The anti-p100 Pab (ABIN388785 and ABIN2839118) is used in Western blot to detect p100 in placenta lysate.