

Product datasheet for **AM11021PU-N**

TPX2 Mouse Monoclonal Antibody [Clone ID: 19AT738.292]

Product data:

Product Type:	Primary Antibodies
Clone Name:	19AT738.292
Applications:	WB
Recommended Dilution:	ELISA: 1/1,000 Western blotting: 1/100-1/500.
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	This monoclonal antibody is generated from mice immunized with four KLH conjugated synthetic peptides selected from human P100.
Specificity:	This antibody is specific to P100.
Formulation:	PBS containing 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G Chromatography eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	TPX2, microtubule nucleation factor
Database Link:	Entrez Gene 22974 Human Q9ULW0



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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.

Synonyms:

DIL-2, C20orf1, C20orf2, HCA519

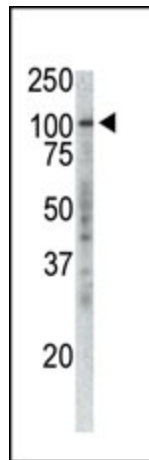
Product images:

Figure 1. Western analysis of extracts from Jurkat cells using P100 antibody.