

Datasheet for ABIN6700721

TPX2 Protein (His tag)



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Overview

Quantity:	20 µg
Target:	TPX2
Origin:	Human
Source:	Insect cells (Sf9)
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPX2 protein is labelled with His tag.
Application:	Western Blotting (WB)

Product Details

Purpose:	TPX2 recombinant protein-HIS Epitope
Purification:	Recombinant full-length human TPX2 protein was expressed by baculovirus in Sf9 insect cells using an N-Terminal his epitope. This product can be used for Aurora A activation in vitro. The purity was determined to be >80% by densitometry.
Purity:	>80%

Target Details

Target:	TPX2
Alternative Name:	TPX2 (TPX2 Products)
Background:	Synonyms: DIL2, p100, DIL-2, HCTP4, FLS353, HCA519, REPP86, C20orf1, C20orf2, GD:C20orf1, Targeting protein for Xklp2, Differentially expressed in cancerous and non-cancerous lung cells

Target Details

Background: TPX2 is a nuclear proliferation-associated protein whose expression is restricted to cell cycle phases S, G2, and M (1). It mainly expressed in the lung carcinoma cell lines and also found in adult placenta, skeletal muscle, thymus, testis, and small intestine and in fetal brain, liver, and kidney. TPX2 is required for targeting STK6 to the spindle apparatus, and that STK6 may regulate the function of TPX2 during spindle assembly. TPX2 functions mainly in mitotic spindle assembly and likely contributes to its role in chromosome stability control and tumor suppression (2). TPX2 Protein is ideal for investigators involved in Signaling Proteins, Microtubule/Actin Associated Proteins, Apoptosis/Autophagy, Cancer, Cell Cycle, Invasion/Metastasis, and Neurobiology research.

NCBI Accession: [NM_012112](#)

Application Details

Application Notes:	Western_Blot_Dilution: User Optimized
	Other: Kinase Assay-User Optimized
	Application_Note: TX2 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~110 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.2 µg/µL
Buffer:	TPX2 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.
Storage:	-80 °C
Storage Comment:	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Expiry Date:	12 months