

Datasheet for 009-001-U17S**TPX2 protein-HIS Epitope****Overview**

Description:	TPX2 recombinant protein-HIS Epitope - 009-001-U17S
Item No.:	009-001-U17S
Size:	20 µg
Origin:	Human
Expressed in:	Sf9 cells

Product 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.
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 2
Species of Origin:	Human
Expressed in:	Sf9 cells
Type:	Recombinant Protein

Target Details

Gene Name:	TPX2
Purity/Specificity:	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.
Relevant Links:	• NCBI - NM_012112

Application Details

Application Note:	TPX2 Protein is stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol. TX2 Protein is suitable for use in Western Blot and Kinase Assay. Expect a band approximately ~110kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
WB:	User Optimized

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	0.2 µg/µL
Buffer:	See application note.

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	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.
Expiration:	Expiration date is one (1) year from date of receipt.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.

