

Anti -TPX2 Rabbit pAb

GB111226 100µL -20°C

Product Information

Description	TPX2 rabbit polyclonal antibody
Protein full name	Targeting protein for Xklp2
Synonyms	Tpx2, DIL2, C20ORF1, C20orf2
Immunogen	KLH conjugated Synthetic peptide corresponding to Mouse TPX2
Isotype	IgG
Purity	Affinity purification
Subcellular location	Nucleus, Cytoplasm
Predicted MW.	86 kDa
Observed MW.	100 kDa
Uniprot ID	Q9ULW0, A2APB8

Applications

Applications	Species	Dilution	Positive Sample
WB	Human	1: 500-1: 1000	K562, HT29, MCF7
IHC/IF	Human, Mouse, Rat	1: 200-1: 400	bone, colon, skin, testis

Background

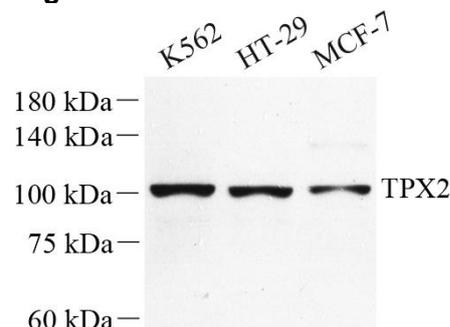
TPX2 is an ortholog of the Targeting Protein for Xenopus kinesin-like protein 2 (XKLP2) and was originally named restricted expression/proliferation-associated protein 100 (REPP86). TPX2 regulates the Xenopus kinesin-like protein 2 which is a plus end-directed microtubule motor required for centrosome separation and maintenance of spindle polarity during mitosis. TPX2 activates mitotic serine-threonine Aurora A kinase, nucleates microtubules and is considered as a critical factor for spindle assembly in mammalian mitotic cells. It is actively transported into the nucleus during interphase via importin alpha/beta receptors and this nuclear import sequesters TPX2 away from cytoplasmic tubulin to prevent premature spindle assembly.

Storage

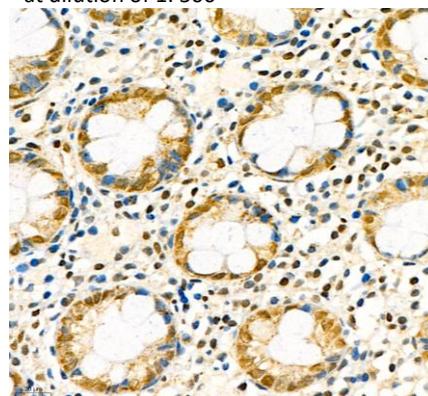
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Storage Buffer	PBS with 0.02% sodium azide, 100 µg/ml BSA and 50% glycerol.

NOTE: 1. This product is intended for research only.
2. This product is recommended to dilute with the Primary Antibody Dilution Buffer.

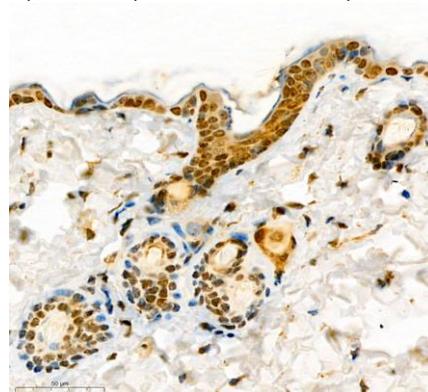
Images



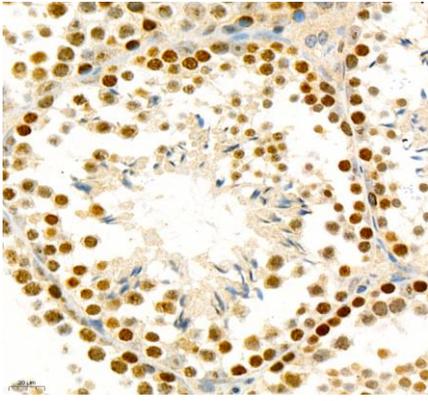
Western blot analysis of TPX2 (GB111226) at dilution of 1: 500



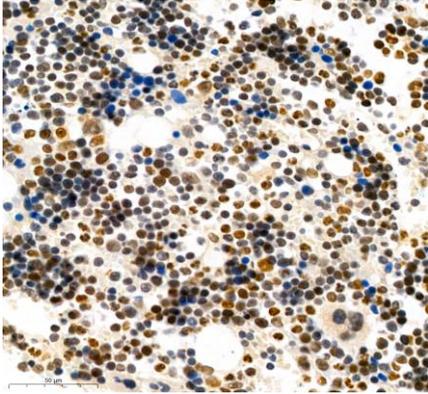
Immunohistochemistry of paraffin embedded human colon using TPX2 (GB111226) at dilution of 1: 200 (400x lens)



Immunohistochemistry of paraffin embedded mouse skin using TPX2 (GB111226) at dilution of 1: 200 (400x lens)



Immunohistochemistry of paraffin embedded mouse testis using TPX2 (GB111226) at dilution of 1: 200 (400x lens)



Immunohistochemistry of paraffin embedded rat bone using TPX2 (GB111226) at dilution of 1: 200 (400x lens)