

JTB Polyclonal Antibody
Catalog # AP70627

Specification

JTB Polyclonal Antibody - Product Information

Application	WB
Primary Accession	O76095
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

JTB Polyclonal Antibody - Additional Information

Gene ID 10899

Other Names

JTB; HSPC222; Protein JTB; Jumping translocation breakpoint protein; Prostate androgen-regulated protein; PAR protein

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

JTB Polyclonal Antibody - Protein Information

Name JTB

Function

Required for normal cytokinesis during mitosis. Plays a role in the regulation of cell proliferation. May be a component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Increases AURKB activity. Inhibits apoptosis induced by TGFB1 (By similarity). Overexpression induces swelling of mitochondria and reduces mitochondrial membrane potential (By similarity).

Cellular Location

Membrane; Single-pass type I membrane protein. Mitochondrion. Cytoplasm Cytoplasm, cytoskeleton, microtubule organizing center, centrosome Cytoplasm, cytoskeleton, spindle. Note=Detected at the centrosome and along spindle fibers during prophase and metaphase. Detected at the midbody during telophase

Tissue Location

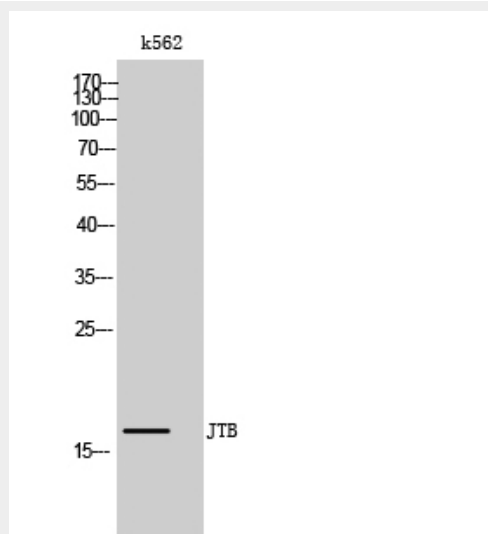
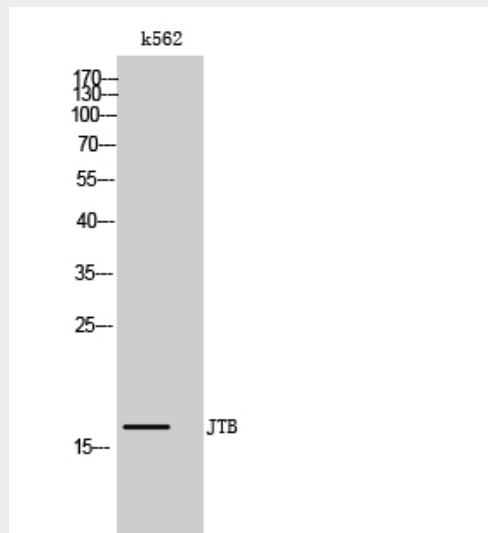
Ubiquitous. Expressed in all normal human tissues studied but overexpressed or underexpressed in many of their malignant counterparts.

JTB Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JTB Polyclonal Antibody - Images



JTB Polyclonal Antibody - Background

Required for normal cytokinesis during mitosis. Plays a role in the regulation of cell proliferation. May be a component of the chromosomal passenger complex (CPC), a complex that acts as a key regulator of mitosis. The CPC complex has essential functions at the centromere in ensuring correct chromosome alignment and segregation and is required for chromatin-induced microtubule stabilization and spindle assembly. Increases AURKB activity. Inhibits apoptosis induced by TGFB1 (By similarity). Overexpression induces swelling of mitochondria and reduces mitochondrial membrane potential (By similarity).