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TEX14 antibody - C-terminal region
Rabbit Polyclonal Antibody
Catalog # AI13628

Specification

TEX14 antibody - C-terminal region - Product Information

Application	**WB**
Primary Accession	Q8IWB6
Other Accession	NM_031272, NP_112562
Reactivity	**Human, Rat, Rabbit, Horse**
Predicted	**Human, Rabbit, Horse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**160kDa KDa**

TEX14 antibody - C-terminal region - Additional Information

Gene ID 56155

Alias Symbol	**CT113**

Other Names
Inactive serine/threonine-protein kinase TEX14, Protein kinase-like protein SgK307, Sugen kinase 307, Testis-expressed sequence 14, Testis-expressed sequence 14 protein, TEX14, SGK307

Format
Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage
Add 50 ul of distilled water. Final anti-TEX14 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions
TEX14 antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

TEX14 antibody - C-terminal region - Protein Information

Name TEX14

Synonyms SGK307

Function
Required both for the formation of intercellular bridges during meiosis and for kinetochore-microtubule attachment during mitosis. Intercellular bridges are evolutionarily conserved structures that connect differentiating germ cells and are required for spermatogenesis and male fertility. Acts by promoting the conversion of midbodies into intercellular bridges via its interaction with CEP55: interaction with CEP55 inhibits the interaction between CEP55 and PDCD6IP/ALIX and TSG101, blocking cell abscission and leading to transform midbodies into

intercellular bridges. Also plays a role during mitosis: recruited to kinetochores by PLK1 during early mitosis and regulates the maturation of the outer kinetochores and microtubule attachment. Has no protein kinase activity in vitro (By similarity).

Cellular Location
Cytoplasm. Midbody. Chromosome, centromere, kinetochore. Note=Detected in the intercellular bridges that connect male germ cell daughter cells after cell division.

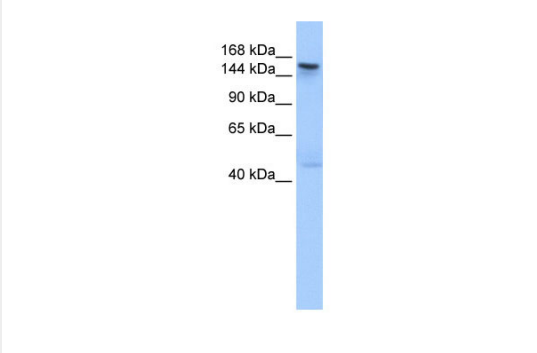
Tissue Location
Expression restricted to testis.

TEX14 antibody - C-terminal region - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

TEX14 antibody - C-terminal region - Images



WB Suggested Anti-TEX14 Antibody Titration: 0.2-1 µg/ml
Positive Control: Human Muscle

TEX14 antibody - C-terminal region - References

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Zody M.C.,et al.Nature 440:1045-1049(2006).
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Iwamori T.,et al.Mol. Cell. Biol. 30:2280-2292(2010).