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TEX14 antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI13628

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	167901

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.

Protein Information

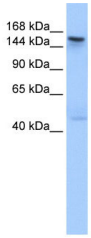
Name	TEX14
Synonyms	SGK307
Function	Required both for the formation of intercellular bridges during meiosis and for kinetochore-microtubule attachment during mitosis. Intercellular bridges are evolutionarily conserved structures that connect differentiating germ cells and are required for spermatogenesis 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.

References

Bechtel S.,et al.BMC Genomics 8:399-399(2007).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Wang P.J.,et al.Nat. Genet. 27:422-426(2001).
Wu M.-H.,et al.Gene Expr. Patterns 3:231-236(2003).
Iwamori T.,et al.Mol. Cell. Biol. 30:2280-2292(2010).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.