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Datasheet for ABIN955364
anti-TSSK4 antibody (C-Term)

3 Images

Overview

Quantity:	0.4 mL
Target:	TSSK4
Binding Specificity:	AA 233-262, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TSSK4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 233-262 amino acids from the C-terminal region of human TSSK4
Isotype:	Ig Fraction
Specificity:	This antibody detects TSSK4 (C-term).
Cross-Reactivity (Details):	Species reactivity (tested):Human
Purification:	Protein A column followed by peptide affinity purification

Target Details

Target:	TSSK4
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Target Details

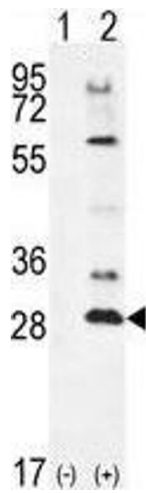
Alternative Name:	TSSK4 (TSSK4 Products)
Background:	This gene encodes a member of the testis-specific serine/threonine kinase family. The encoded protein is thought to be involved in spermatogenesis via stimulation of the CREB/CRE responsive pathway through phosphorylation of the cAMP responsive element binding protein transcription factor. Alternative splicing results in multiple transcript variants.Synonyms: C14orf20, STK22E, Serine/threonine-protein kinase 22E, TSK-4, TSSK-4, TSSK5, Testis-specific kinase 4, Testis-specific serine/threonine-protein kinase 4
Gene ID:	283629
NCBI Accession:	NP_001171668

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

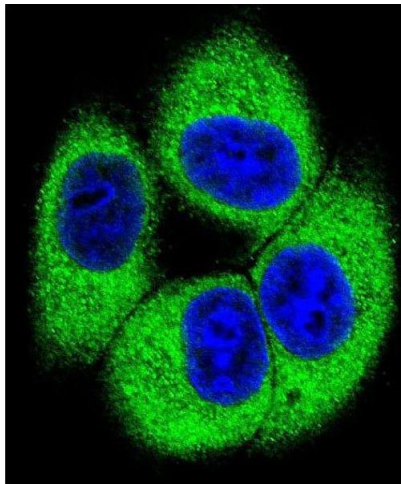
Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer.



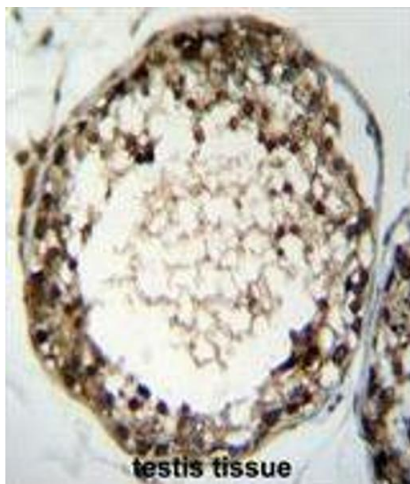
Western Blotting

Image 1. Western blot analysis of TSSK4 (arrow) using rabbit polyclonal TSSK4 Antibody (C-term) . 293 cell lysates (2 µg/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the TSSK4 gene.



Immunofluorescence

Image 2. Confocal immunofluorescent analysis of TSSK4 Antibody (C-term) with 293 cell followed by Alexa Fluor 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. TSSK4 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human testis tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of TSSK4 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.