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TESK2 Antibody (Center C225)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7821f

Product Information

Application	IHC-P, WB, E
Primary Accession	Q96S53
Other Accession	Q924U5, Q8VCT9
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB12617
Calculated MW	63639
Antigen Region	210-240

Additional Information

Gene ID	10420
Other Names	Dual specificity testis-specific protein kinase 2, Testicular protein kinase 2, TESK2
Target/Specificity	This TESK2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 210-240 amino acids from the Central region of human TESK2.
Dilution	IHC-P~~1:100~500 WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	TESK2 Antibody (Center C225) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	TESK2
Function	Dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and

	tyrosine residues. Phosphorylates cofilin at 'Ser- 3'. May play an important role in spermatogenesis.
Cellular Location	Nucleus.
Tissue Location	Predominantly expressed in testis and prostate. Found predominantly in non-germinal Sertoli cells

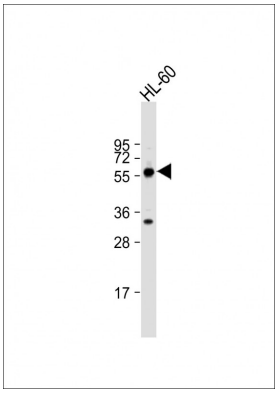
Background

TESK2 is a dual specificity protein kinase activity catalyzing autophosphorylation and phosphorylation of exogenous substrates on both serine/threonine and tyrosine residues. TESK2 phosphorylates cofilin at Ser-3. It may play an important role in spermatogenesis. This nuclear enzyme is thought to be activated by autophosphorylation on Ser-219. Expression is predominantly in testis and prostate, with highest concentrations in nongerminal Sertoli cells.

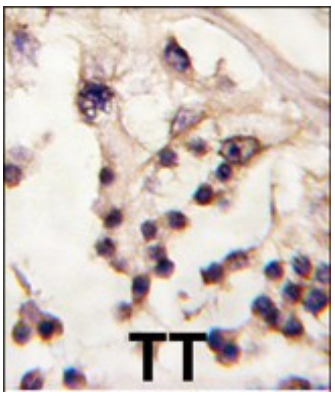
References

Toshima,J.,J. Biol. Chem. 276 (33), 31449-31458 (2001)
Rosok,O., Genomics 61 (1), 44-54 (1999)

Images



Anti-TESK2 Antibody (Center) at 1:500 dilution + HL-60 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 64 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human testis tissue reacted with TESK2 antibody (Center)(Cat.#AP7812f), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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