10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

DKKL1 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1525b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q9UK85
Other Accession	NP_055234
Reactivity	Human, Mouse
Predicted	Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2441
Calculated MW	27007
Antigen Region	213-242

Additional Information

Gene ID	27120
Other Names	Dickkopf-like protein 1, Cancer/testis antigen 34, CT34, Protein soggy-1, SGY-1, DKKL1, SGY1
Target/Specificity	This DKKL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 213-242 amino acids from the C-terminal region of human DKKL1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	DKKL1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	DKKL1 (HGNC:16528)
Function	Involved in fertilization by facilitating sperm penetration of the zona pellucida. May promote spermatocyte apoptosis, thereby limiting sperm

	production. In adults, may reduce testosterone synthesis in Leydig cells. Is not essential either for development or fertility.
Cellular Location	Secreted {ECO:0000250|UniProtKB:Q9QZL9}. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q9QZL9}. Note=Localized specifically to the crescent shaped acrosome at the apex of the sperm head {ECO:0000250|UniProtKB:Q9QZL9}
Tissue Location	More highly expressed in adult testis than in fetal testis. Exclusively expressed in the testis (at protein level). Intense expression in stages II, III and IV of spermatogenesis, whereas expression is lower in stage I.

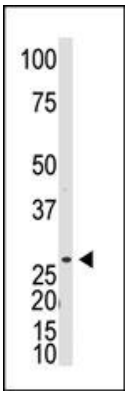
Background

The dickkopf protein family interacts with the Wnt signaling pathway and its members are characterized by two conserved cysteine-rich domains. This gene encodes a secreted protein that has high similarity to the N-terminus of the dickkopf-3 protein and moderate similarity to that protein's C-terminus though the C-terminal cysteine residues are not conserved.

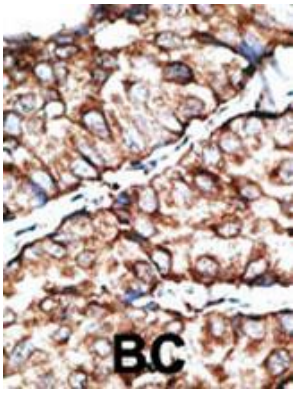
References

Clark, H.F., et al., Genome Res. 13(10):2265-2270 (2003). Krupnik, V.E., et al., Gene 238(2):301-313 (1999).

Images



The anti-DKKL1 C-term Pab (Cat. #AP1525b) is used in Western blot to detect DKKL1 in mouse testis tissue lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, 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. BC = breast carcinoma; HC = hepatocarcinoma.

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