

dik Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP10660c

Product Information

Application	WB, E
Primary Accession	Q9H4D1
Other Accession	Q9ERK0 , P57078 , NP_065690
Reactivity	Human, Mouse
Predicted	Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB15730
Calculated MW	86408
Antigen Region	510-538

Additional Information

Gene ID	54101
Other Names	dik, Protein kinase
Target/Specificity	This dik antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 510-538 amino acids from the Central region of human dik.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. 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	dik Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	dik {ECO:0000313 EMBL:CAC04247.1}
Function	Serine/threonine protein kinase. Required for embryonic skin development and correct skin homeostasis in adults, via phosphorylation of PKP1 and subsequent promotion of keratinocyte differentiation and cell adhesion. It is a

direct transcriptional target of TP63. Plays a role in NF-kappa-B activation.

Cellular Location

Cytoplasm {ECO:0000256|ARBA:ARBA00004496}. Membrane {ECO:0000256|ARBA:ARBA00004170}; Peripheral membrane protein {ECO:0000256|ARBA:ARBA00004170}

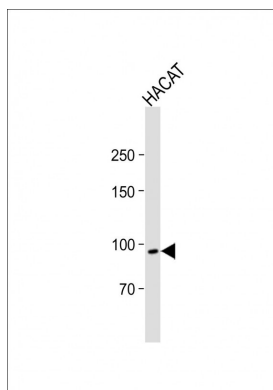
Background

dik is a serine/threonine protein kinase that interacts with protein kinase C-delta. The encoded protein can also activate NFkappaB and is required for keratinocyte differentiation. This kinase undergoes autophosphorylation.

References

Rose, J. Phd, et al. Mol. Med. (2010) In press :
Adams, S., et al. Exp. Cell Res. 316(1):126-137(2010)
Lee, M.C., et al. J. Leukoc. Biol. 84(3):835-841(2008)
Kim, S.W., et al. Blood 111(3):1644-1653(2008)
Adams, S., et al. J. Invest. Dermatol. 127(3):538-544(2007)

Images



All lanes : Anti-dik Antibody (Center) at 1:1000 dilution + HACAT whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 90kDa Blocking/Dilution buffer: 5% NFDm/TBST.

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