

UPK3B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17679c

Product Information

Application	WB, E
Primary Accession	Q9BT76
Other Accession	NP_085047.1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB37653
Calculated MW	33882
Antigen Region	192-219

Additional Information

Gene ID	105375355
Other Names	Uroplakin-3b, UP3b, Uroplakin IIIb, UPIIIb, p35, UPK3B
Target/Specificity	This UPK3B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 192-219 amino acids from the Central region of human UPK3B.
Dilution	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 purified through a protein A column, followed by peptide affinity purification.
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	UPK3B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UPK3B
Function	Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in AUM-cytoskeleton interaction in terminally differentiated urothelial cells. It also contributes to the formation of urothelial

glycocalyx which may play an important role in preventing bacterial adherence (By similarity).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Note=Heterodimer formation with UPK1B is a prerequisite to exit out of the endoplasmic reticulum (ER)

Background

UPK3B is a minor component of the apical plaques of mammalian urothelium that binds and dimerizes with uroplakin-1b (UPK1B; MIM 602380), one of the major conserved urothelium membrane proteins. The other major conserved integral membrane proteins of urothelial plaques are UPK1A (MIM 611557), UPK2 (MIM 611558), and UPK3A (MIM 611559) (Deng et al., 2002 [PubMed 12446744]).[supplied by OMIM].

References

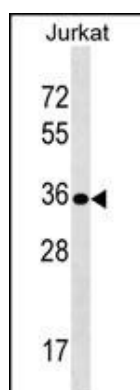
Foot, N.J., et al. Blood 112(10):4268-4275(2008)

Lamesch, P., et al. Genomics 89(3):307-315(2007)

Garcia-Espana, A., et al. Mol. Phylogenet. Evol. 41(2):355-367(2006)

Deng, F.M., et al. J. Cell Biol. 159(4):685-694(2002)

Images



UPK3B Antibody (Center) (Cat. #AP17679c) western blot analysis in Jurkat cell line lysates (35ug/lane). This demonstrates the UPK3B antibody detected the UPK3B protein (arrow).

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