

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 192-219 **Antigen Region**

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)

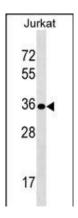
Background

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'.