

UPK1B Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP9725c

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	O75841
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24302
Calculated MW	29643
Antigen Region	159-188

Additional Information

Gene ID	7348
Other Names	Uroplakin-1b, UP1b, Tetraspanin-20, Tspan-20, Uroplakin Ib, UPIb, UPK1B, TSPAN20
Target/Specificity	This UPK1B antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 159-188 amino acids from the Central region of human UPK1B.
Dilution	WB~~1:1000 IHC-P~~1:100~500 FC~~1:10~50 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	UPK1B Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UPK1B
Synonyms	TSPAN20

Function	Component of the asymmetric unit membrane (AUM); a highly specialized biomembrane elaborated by terminally differentiated urothelial cells. May play an important role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions (By similarity).
Cellular Location	Membrane; Multi-pass membrane protein.
Tissue Location	Bladder epithelium.

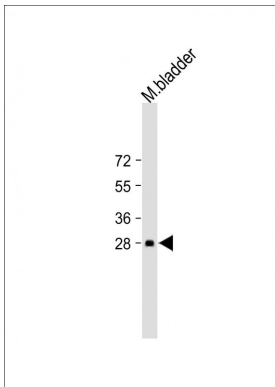
Background

UPK1B is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This protein is found in the asymmetrical unit membrane (AUM) where it can form a complex with other transmembrane 4 superfamily proteins. It may play a role in normal bladder epithelial physiology, possibly in regulating membrane permeability of superficial umbrella cells or in stabilizing the apical membrane through AUM/cytoskeletal interactions.

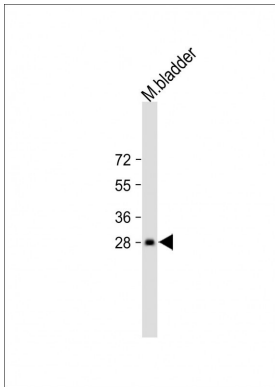
References

Kalma, Y., et al. Fertil. Steril. 91(4):1042-1049(2009)
 Cowled, P., et al. Neoplasia 7(12):1091-1103(2005)
 Varga, A.E., et al. Neoplasia 6(2):128-135(2004)

Images

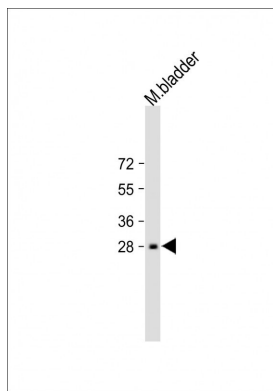


All lanes : Anti-UPK1B Antibody (Center) at 1:1000 dilution
 Lane 1: mouse bladder lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 28kDa Blocking/Dilution buffer: 5% NFDM/TBST.

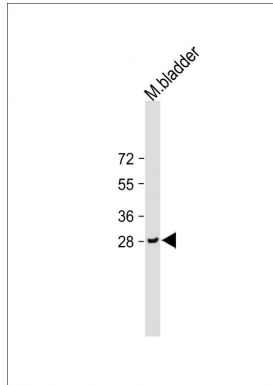


All lanes : Anti-UPK1B Antibody (Center) at 1:1000 dilution
 Lane 1: mouse bladder lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 28kDa Blocking/Dilution buffer: 5% NFDM/TBST.

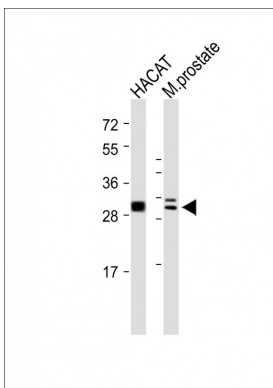
All lanes : Anti-UPK1B Antibody (Center) at 1:1000 dilution



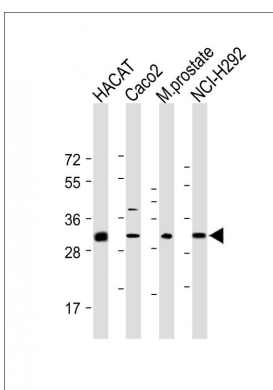
Lane 1: mouse bladder lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 28kDa Blocking/Dilution buffer: 5% NFDM/TBST.



All lanes : Anti-UPK1B Antibody (Center) at 1:1000 dilution
Lane 1: mouse bladder 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 : 28kDa Blocking/Dilution buffer: 5% NFDM/TBST.

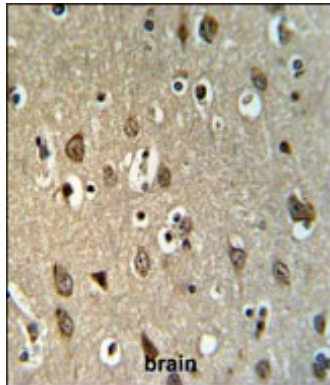
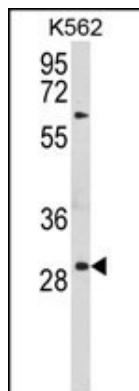


All lanes : Anti-UPK1B Antibody (Center) at 1:1000 dilution
Lane 1: HACAT whole cell lysate Lane 2: mouse prostate tissue lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 31kDa Blocking/Dilution buffer: 5% NFDM/TBST.

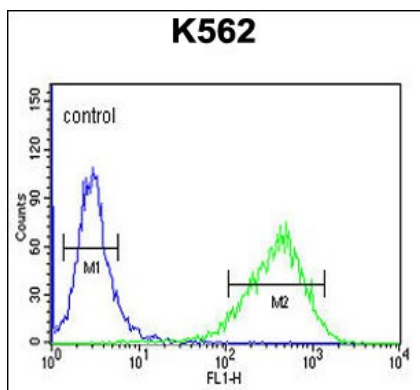


All lanes : Anti-UPK1B Antibody (Center) at 1:1000 dilution
Lane 1: HACAT whole cell lysate Lane 2: Caco2 whole cell lysate Lane 3: mouse prostate tissue lysate Lane 4: NCI-H292 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size : 31kDa Blocking/Dilution buffer: 5% NFDM/TBST.

Western blot analysis of UPK1B Antibody (Center) (Cat. #AP9725c) in K562 cell line lysates (35ug/lane). UPK1B (arrow) was detected using the purified Pab.



UPK1B Antibody (Center) (Cat. #AP9725c) IHC analysis in formalin fixed and paraffin embedded brain tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the UPK1B Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.



UPK1B Antibody (Center) (Cat. #AP9725c) flow cytometric analysis of K562 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

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