

UPK1B Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9725c**Specification**

UPK1B Antibody (Center) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	O75841
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	159-188

UPK1B Antibody (Center) - 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~~1:50~100
FC~~1:10~50

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.

UPK1B Antibody (Center) - 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

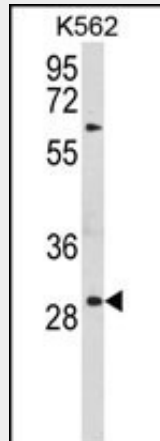
Bladder epithelium.

UPK1B Antibody (Center) - Protocols

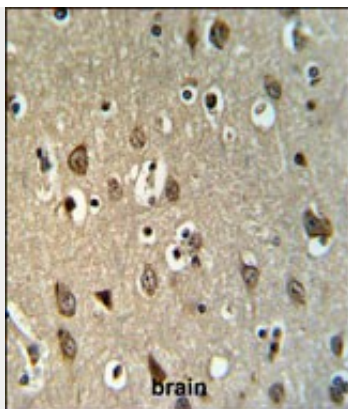
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

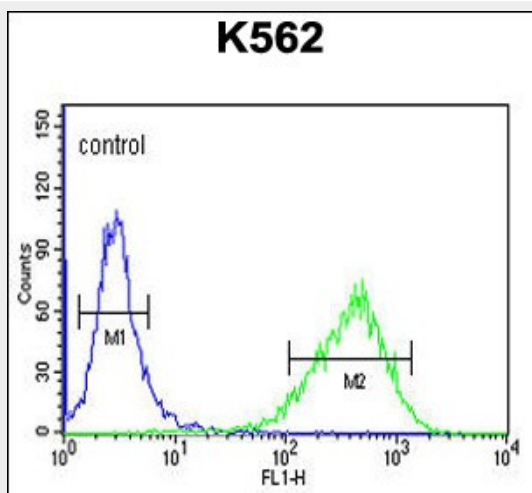
UPK1B Antibody (Center) - Images



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 (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

UPK1B Antibody (Center) - 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.

UPK1B Antibody (Center) - 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)