

Product datasheet for **AP54476PU-N**

Uroplakin Ib (UPK1B) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	FC, IHC, WB
Recommended Dilution:	Western blot: 1:1,000. Immunohistochemistry on paraffin sections: 1:50~100. Flow cytometry: 1:10~50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 159~188 amino acids from the Central region of human UPK1B
Specificity:	This antibody detects Uroplakin-1b (UPK1B) (Center).
Formulation:	PBS with 0.09% (W/V) sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein A column followed by peptide affinity purification
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C for up to six months or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	uroplakin 1B
Database Link:	Entrez Gene 7348 Human O75841



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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.

Synonyms:

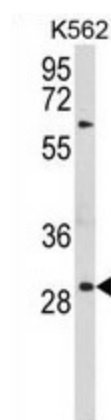
UP1b, Uroplakin Ib, UPIb, Tetraspanin-20, TSPAN20, Tspan-20

Note:

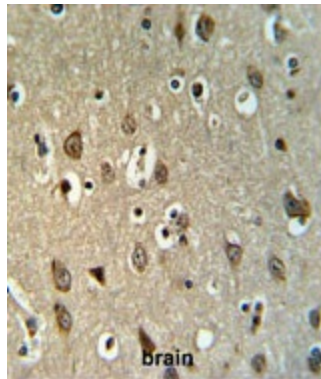
Molecular Weight: 29643 Da

Protein Families:

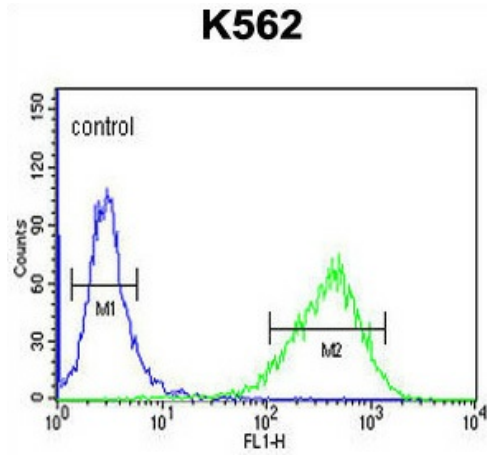
Transmembrane

Product images:

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



UPK1B Antibody (Center) 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) 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.