

UPK1B Antibody (monoclonal) (M02)**Mouse monoclonal antibody raised against a partial recombinant UPK1B.****Catalog # AT4474a****Specification**

UPK1B Antibody (monoclonal) (M02) - Product Information

Application	WB, E
Primary Accession	O75841
Other Accession	NM_006952
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	29643

UPK1B Antibody (monoclonal) (M02) - Additional Information**Gene ID** 7348**Other Names**

Uroplakin-1b, UP1b, Tetraspanin-20, Tspan-20, Uroplakin Ib, UPIb, UPK1B, TSPAN20

Target/Specificity

UPK1B (NP_008883, 131 a.a. ~ 228 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution

WB~~1:500~1000

E~~N/A

Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions

UPK1B Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

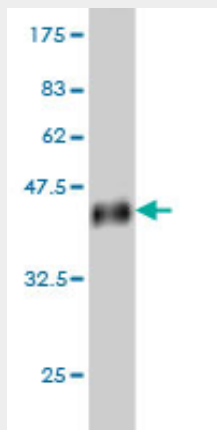
UPK1B Antibody (monoclonal) (M02) - Protocols

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

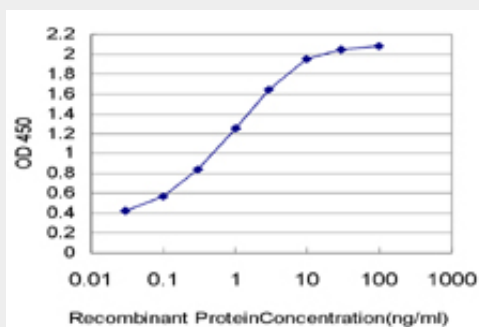
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

UPK1B Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.52 KDa) .



Detection limit for recombinant GST tagged UPK1B is approximately 0.03ng/ml as a capture antibody.

UPK1B Antibody (monoclonal) (M02) - Background

The protein encoded by this gene 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 encoded 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. The use of alternate polyadenylation sites has been found for this gene.

UPK1B Antibody (monoclonal) (M02) - References

Endometrial biopsy-induced gene modulation: first evidence for the expression of bladder-transmembranal uroplakin Ib in human endometrium. Kalma Y, et al. Fertil Steril, 2009 Apr. PMID 18355812. Uroplakin Ib gene transcription in urothelial tumor cells is regulated by CpG methylation. Cowled P, et al. Neoplasia, 2005 Dec. PMID 16354592. The status, quality, and

expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Methylation of a CpG island within the uroplakin Ib promoter: a possible mechanism for loss of uroplakin Ib expression in bladder carcinoma. Varga AE, et al. Neoplasia, 2004 Mar-Apr. PMID 15140401. Generation and initial analysis of more than 15,000 full-length human and mouse cDNA sequences. Strausberg RL, et al. Proc Natl Acad Sci U S A, 2002 Dec 24. PMID 12477932.