

UPK3A Recombinant antibody

Catalog Number: 83499-3-RR

Basic Information

Catalog Number:

83499-3-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_006953

GeneID (NCBI):

7380

UNIPROT ID:

O75631

Full Name:

uroplakin 3A

Calculated MW:

31 kDa

Observed MW:

47 kDa

Purification Method:

Protein A purification

CloneNo.:

240488B9

Recommended Dilutions:

WB 1:500-1:2000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human

Positive Controls:

WB : HeLa cells, MDA-MB-231 cells

Background Information

Uroplakins are a group of urothelial differentiation-related membrane proteins. They are components of the asymmetric unit membrane (AUM), which forms the apical plaques of mammalian urothelium and is believed to play a role in strengthening the urothelial apical surface thus preventing the cells from rupturing during bladder distention (PMID: 8175808). Uroplakin III (UPK3A) is a promising new urine marker for bladder cancer detection (PMID: 20346489). Loss of UPK3A expression is associated with clinicopathological features of invasive bladder cancer and poor prognosis in upper tract urothelial carcinoma (PMID: 18313120; PMID: 16686732). UPK3A has a calculated molecular weight of 30.7 kDa, with an apparent molecular weight of 47 kDa due to three potential N-glycosylation sites.

Storage

Storage:

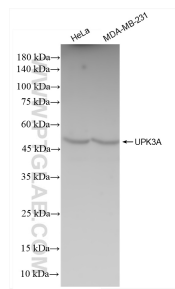
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83499-3-RR (UPK3A antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.