

For Research Use Only

UBQLN4 Polyclonal antibody

Catalog Number: 29413-1-AP



Basic Information

| | | |
|---|--|--|
| Catalog Number: 29413-1-AP | GenBank Accession Number: BC063841 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 500 ug/ml by Nanodrop; | GeneID (NCBI): 56893 | Recommended Dilutions: WB 1:500-1:3000 IHC 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: Q9NRR5 | |
| Isotype: IgG | Full Name: ubiquilin 4 | |
| Immunogen Catalog Number: AG29658 | Calculated MW: 601 aa, 64 kDa | |
| | Observed MW: 70 kDa | |

Applications

| | |
|---|---|
| Tested Applications: WB, IHC, ELISA | Positive Controls: |
| Species Specificity: Human | WB : BGC-823 cells, BxPC-3 cells, HeLa cells, MKN-45 cells |
| Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0 | IHC : human cervical cancer tissue, |

Background Information

Ubiquilins (UBQLNs) are important factors for cell proteostasis maintenance. UBQLNs are involved in the modulation of the cell cycle, as well as in apoptosis, membrane receptors regulation, DNA repair, epithelial-mesenchymal transition, and miRNA activities. Ubiquilin 4 (UBQLN4) is an important member of the ubiquitin-like protein family. UBQLN4 is overexpressed in aggressive tumors and inhibits homologous recombination, redirecting doublestrand break repair to nonhomologous end joining, resulting in increased genome instability and inducing carcinogenesis.

Storage

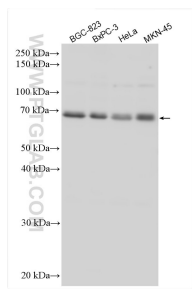
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

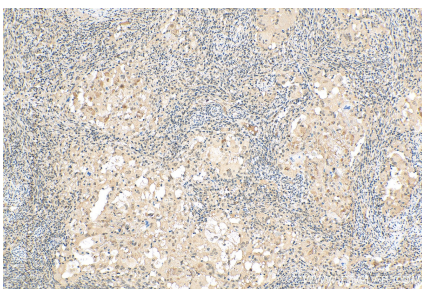
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

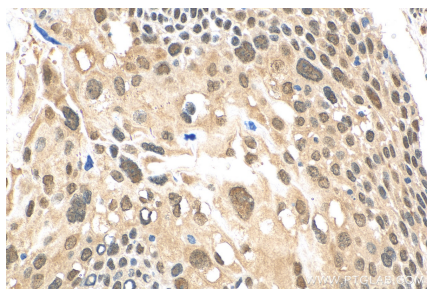
Selected Validation Data



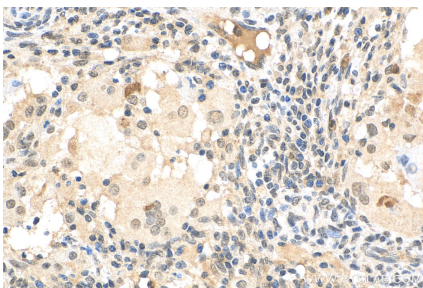
Various lysates were subjected to SDS PAGE followed by western blot with 29413-1-AP (UBQLN4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 29413-1-AP (UBQLN4 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 29413-1-AP (UBQLN4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human cervical cancer tissue slide using 29413-1-AP (UBQLN4 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).