

UBQLN4 Polyclonal antibody

Catalog Number: 29413-1-AP

Basic Information

Catalog Number:

29413-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG29658

GenBank Accession Number:

BC063841

GeneID (NCBI):

56893

UNIPROT ID:

Q9NRR5

Full Name:

ubiquilin 4

Calculated MW:

601 aa, 64 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

Human

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : BGC-823 cells, BxPC-3 cells, HeLa cells, MKN-45 cells

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:

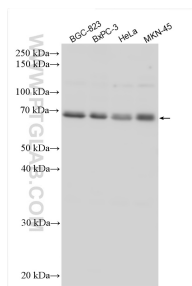
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

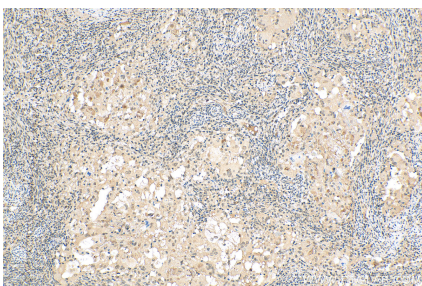
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

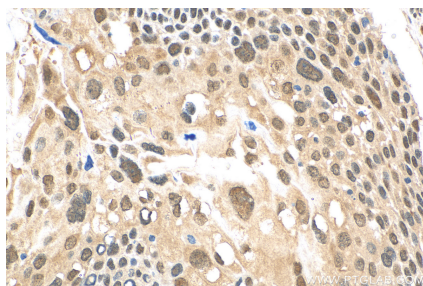
Selected Validation Data



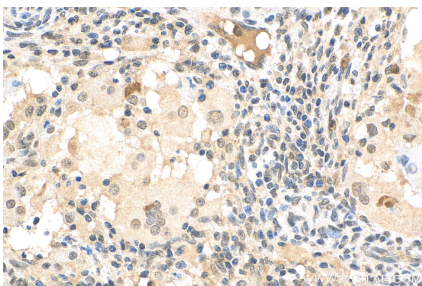
Various lysates were subjected to SDS PAGE followed by western blot with 29413-1-AP (UBQLN4 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



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).