

UBQLN4 Polyclonal Antibody

Catalog No: #29463

Package Size: #29463-1 50ul #29463-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

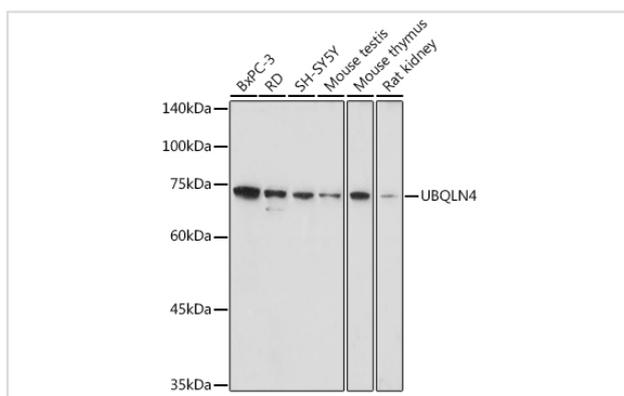
Description

Product Name	UBQLN4 Polyclonal Antibody
Host Species	Rabbit
Clonality	Polyclonal
Isotype	IgG
Purification	Affinity purification
Applications	WB,IHC,IF
Species Reactivity	Human;Mouse;Rat
Immunogen Description	Recombinant fusion protein of human UBQLN4 (NP_064516.2).
Conjugates	Unconjugated
Other Names	UBQLN4;A1U;A1Up;C1orf6;CIP75;UBIN
Accession No.	Uniprot:Q9NRR5GeneID:56893
Calculated MW	75kDa
SDS-PAGE MW	75KDa
Formulation	PBS with 0.02% sodium azide,50% glycerol,pH7.3.
Storage	Store at -20°C. Avoid freeze / thaw cycles.

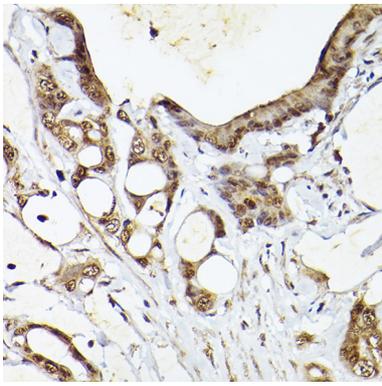
Application Details

WB □ 1:500 - 1:2000 IHC □ 1:50 - 1:200 IF □ 1:50 - 1:200

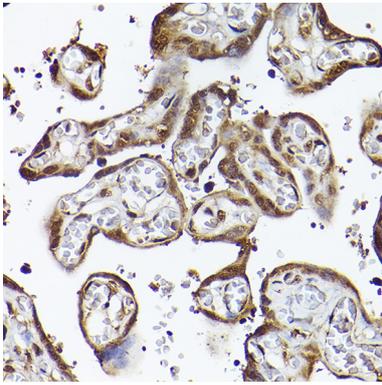
Images



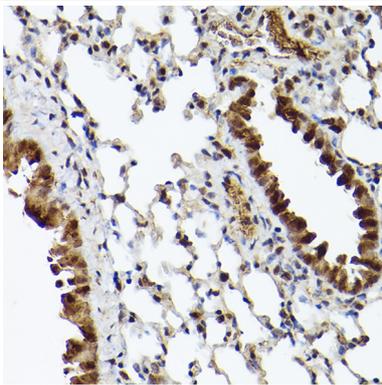
Western blot analysis of extracts of various cell lines, using UBQLN4 antibody.



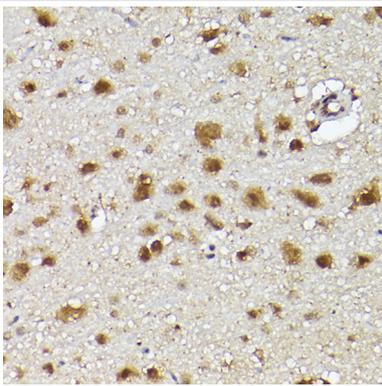
Immunohistochemistry of paraffin-embedded human colon carcinoma using UBQLN4 Rabbit pAb.



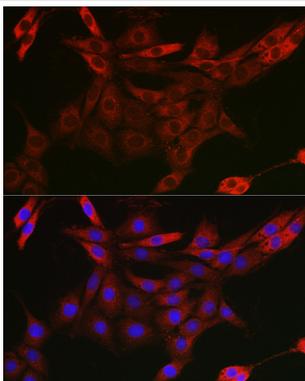
Immunohistochemistry of paraffin-embedded human placenta using UBQLN4 Rabbit pAb.



Immunohistochemistry of paraffin-embedded mouse lung using UBQLN4 Rabbit pAb.



Immunohistochemistry of paraffin-embedded rat brain using UBQLN4 Rabbit pAb.



Immunofluorescence analysis of PC-12 cells using UBQLN4 Rabbit pAb.

Background

Regulator of protein degradation that mediates the proteasomal targeting of misfolded, mislocalized or accumulated proteins. Acts by binding polyubiquitin chains of target proteins via its UBA domain and by interacting with subunits of the proteasome via its ubiquitin-like domain. Key regulator of DNA repair that represses homologous recombination repair: in response to DNA damage, recruited to sites of DNA damage following phosphorylation by ATM and acts by binding and removing ubiquitinated MRE11 from damaged chromatin, leading to MRE11 degradation by the proteasome. MRE11 degradation prevents homologous recombination repair, redirecting double-strand break repair toward non-homologous end joining (NHEJ). Specifically recognizes and binds mislocalized transmembrane-containing proteins and targets them to proteasomal degradation. Collaborates with DES11/POST in the export of ubiquitinated proteins from the nucleus to the cytoplasm. Also plays a role in the regulation of the proteasomal degradation of non-ubiquitinated GJA1 (By similarity). Acts as an adapter protein that recruits UBQLN1 to the autophagy machinery. Mediates the association of UBQLN1 with autophagosomes and the autophagy-related protein LC3 (MAP1LC3A/B/C and may assist in the maturation of autophagosomes to autolysosomes by mediating autophagosome-lysosome fusion.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.