

UBQLN4 polyclonal antibody

Catalog: BS76514

Host: Rabbit

Reactivity: Human, Mouse, Rat

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 DESI1/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.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

75KDa

Swiss-Prot:

Q9NRR5

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum

by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

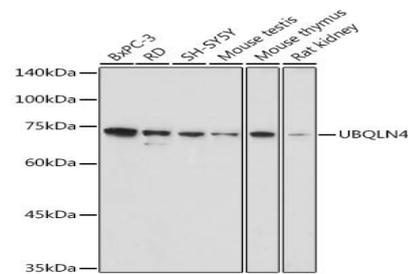
WB,1:500 - 1:2000|IHC,1:50 - 1:200|IF/ICC,1:50 - 1:200

Storage&Stability:

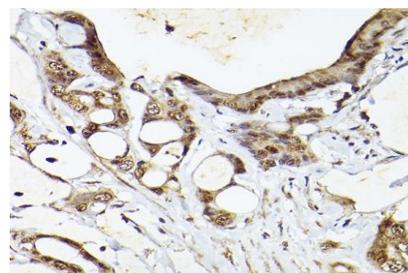
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Unmodification

DATA:

Western blot analysis of extracts of various cell lines, using UBQLN4 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 60s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using UBQLN4 Rabbit pAb at dilution of 1:150. Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

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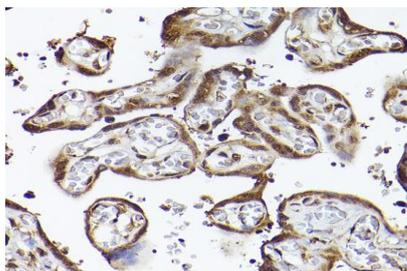
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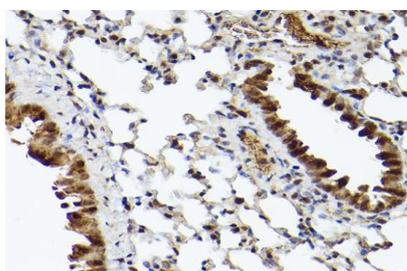
Email: info@biogot.com

Tel: 0086-025-68037686

Fax: 0086-025-68035151



Immunohistochemistry of paraffin-embedded human placenta using UBQLN4 Rabbit pAb at dilution of 1:150 .Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Immunohistochemistry of paraffin-embedded mouse lung using

UBQLN4 Rabbit pAb at dilution of 1:150 .Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.

Note:

For research use only, not for use in diagnostic procedure.

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