KRTCAP2 polyclonal antibody

Catalog: BS31514 Host: Rabbit Reactivity: Human, Mouse

BackGround:

Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit KCP2: Subunit of STT3A-containing oligosaccharyl transferase (OST-A) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation . N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER) . Within the OST-A complex, acts as an adapter that anchors the OST-A complex to the Sec61 complex . May be involved in N-glycosylation of APP (amyloid-beta precursor protein) . Can modulate gamma-secretase cleavage of APP by enhancing endoprotelysis of PSEN1

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~14.7 kDa

Swiss-Prot:

Q8N6L1

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/200)

Storage&Stability:

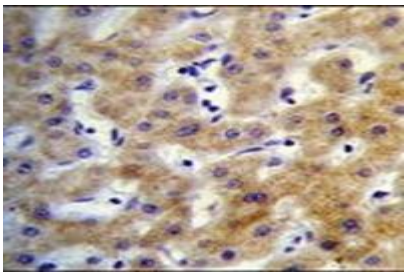
Store at 4℃ short term. Aliquot and store at -20℃ long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of KRTCAP2 protein.

DATA:

Western blot analysis of Annexin A1 (Phospho-Y21) expression in H1792 (A), mouse lung (B), rat lung (C) whole cell lysates.



Immunohistochemical analysis of Annexin A1 (Phospho-Y21) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. Immunofluorescent analysis of Annexin A1 (Phospho-Y21) staining in BV2 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 ℃ in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).

Note:

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