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KTAP2 Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP11178b

Product Information

Application	WB, IHC-P, E
Primary Accession	Q8N6L1
Other Accession	B2RZC9, NP_776251.1
Reactivity	Human, Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB28970
Calculated MW	14679
Antigen Region	134-162

Additional Information

Gene ID	200185
Other Names	Keratinocyte-associated protein 2, KCP-2, KRTCAP2, KCP2
Target/Specificity	This KTAP2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 134-162 amino acids from the C-terminal region of human KTAP2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	KTAP2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	KRTCAP2
Synonyms	KCP2 {ECO:0000303|PubMed:28860277}
Function	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 (PubMed:22467853, PubMed:28860277). 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) (PubMed:22467853, PubMed:28860277). Within the OST-A complex, acts as an adapter that anchors the OST-A complex to the Sec61 complex (PubMed:28860277). May be involved in N-glycosylation of APP (amyloid- beta precursor protein) (PubMed:21768116). Can modulate gamma-secretase cleavage of APP by enhancing endoprotelysis of PSEN1 (PubMed:21768116).
Cellular Location	Endoplasmic reticulum. Endoplasmic reticulum membrane; Multi-pass membrane protein
Tissue Location	Expressed in skin, heart, placental, liver, skeletal muscle, kidney, pancreas, keratinocytes and dermal fibroblasts.

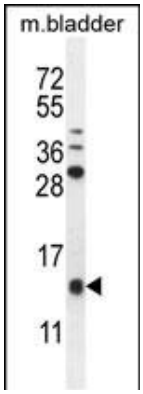
Background

E3 ubiquitin-protein ligase which accepts ubiquitin from E2 ubiquitin-conjugating enzymes UBE2L3 and UBE2L6 in the form of a thioester and then directly transfers the ubiquitin to targeted substrates, such as UCKL1. Involved in the cytolytic activity of natural killer cells and cytotoxic T-cells.

References

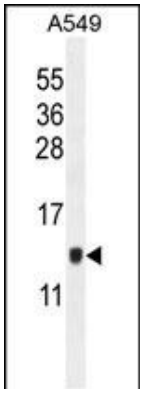
Shibatani, T., et al. Biochemistry 44(16):5982-5992(2005)
Bonkobara, M., et al. Br. J. Dermatol. 148(4):654-664(2003)

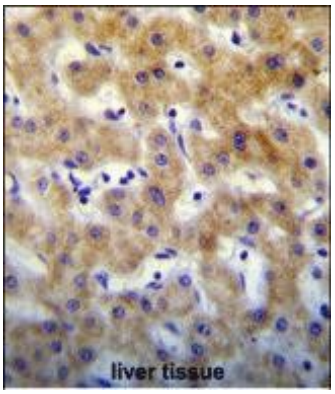
Images



KTAP2 Antibody (C-term) (Cat. #AP11178b) western blot analysis in mouse bladder tissue lysates (35ug/lane).This demonstrates the KTAP2 antibody detected the KTAP2 protein (arrow).

KTAP2 Antibody (C-term) (Cat. #AP11178b) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the KTAP2 antibody detected the KTAP2 protein (arrow).





KTAP2 Antibody (C-term) (Cat. #AP11178b)immunohistochemistry analysis in formalin fixed and paraffin embedded human liver tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of KTAP2 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.