KTU Rabbit pAb

CatalogNo: YT6786

Key Features

Host Species	Reactivity	Applications
• Rabbit	• Human,Mouse,Rat	• WB,ELISA,IHC

MW	Isotype
• 92kD (Calculated)	• IgG

Recommended Dilution Ratios

WB 1:500-2000
IHC 1:50-300
ELISA 1:2000-20000

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality	Polyclonal

Immunogen Information

Immunogen	Synthesized peptide derived from human KTU AA range: 610-660
Specificity	This antibody detects endogenous levels of KTU at Human/Mouse/Rat

Target Information

Gene name	DNAAF2 C14orf104 KTU

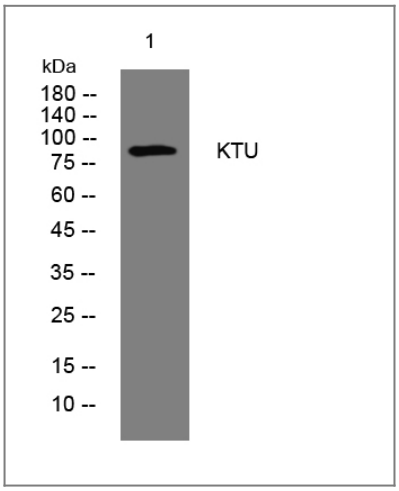
Protein Name KTU

Organism	Gene ID	UniProt ID
Human	55172;	Q9NVR5;
Mouse	109065;	Q8BPI1;
Rat	362746;	Q5FVL7;

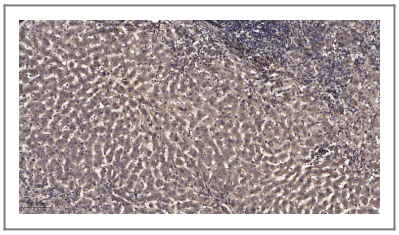
Cellular Localization Cytoplasm . Dynein axonemal particle . Localizes in the apical cytoplasm around the gamma-tubulin-positive pericentriolar region, not in the cilia. .

Function Disease:Defects in KTU are the cause of primary ciliary dyskinesia type 10 (CILD10) [MIM:612518]. CILD is an autosomal recessive disorder characterized by axonemal abnormalities of motile cilia. Respiratory infections leading to chronic inflammation and bronchiectasis are recurrent, due to defects in the respiratory cilia; reduced fertility is often observed in male patients due to abnormalities of sperm tails. Half of the patients exhibit situs inversus, due to dysfunction of monocilia at the embryonic node and randomization of left-right body asymmetry. Primary ciliary dyskinesia associated with situs inversus is referred to as Kartagener syndrome.,Function:Required for cytoplasmic pre-assembly of axonemal dyneins, thereby playing a central role in motility in cilia and flagella. Involved in pre-assembly of dynein arm complexes in the cytoplasm before intraflagellar transport loads them for the ciliary compartment.,similarity:Belongs to the PIH1 family. Kintoun subfamily.,subcellular location:Localizes in the apical cytoplasm around the gamma-tubulin-positive pericentriolar region, not in the cilia.,subunit:Interacts with DNAI2 and HSPA1A.,

Validation Data



Western blot analysis of lysates from THP-1 cells, primary antibody was diluted at 1:1000, 4°over night



Immunohistochemical analysis of paraffin-embedded human liver cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

Contact information

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Please scan the QR code to access additional product information:
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