

## KTU rabbit pAb

<b>Catalog No :</b>	YT6786
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	KTU
<b>Gene Name :</b>	DNAAF2 C14orf104 KTU
<b>Protein Name :</b>	KTU
<b>Human Gene Id :</b>	55172
<b>Human Swiss Prot No :</b>	Q9NVR5
<b>Mouse Gene Id :</b>	109065
<b>Mouse Swiss Prot No :</b>	Q8BPI1
<b>Rat Gene Id :</b>	362746
<b>Rat Swiss Prot No :</b>	Q5FVL7
<b>Immunogen :</b>	Synthesized peptide derived from human KTU AA range: 610-660
<b>Specificity :</b>	This antibody detects endogenous levels of KTU at Human/Mouse/Rat
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

**Concentration :** 1 mg/ml

**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

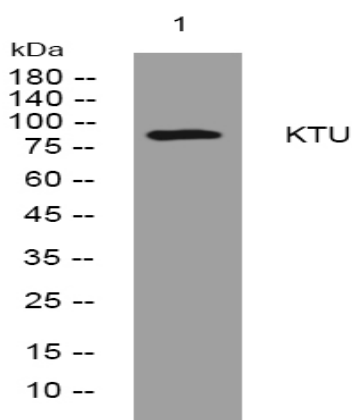
**Molecularweight :** 92kD

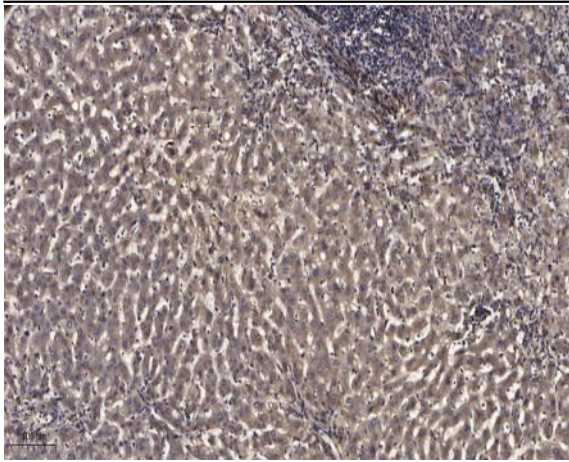
**Background :** This gene encodes a highly conserved protein involved in the preassembly of dynein arm complexes which power cilia. These complexes are found in some cilia and are assembled in the cytoplasm prior to transport for cilia formation. Mutations in this gene have been associated with primary ciliary dyskinesia. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Oct 2009],

**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 the

**Subcellular Location :** Cytoplasm . Dynein axonemal particle . Localizes in the apical cytoplasm around the gamma-tubulin-positive pericentriolar region, not in the cilia. .

## Products Images





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).