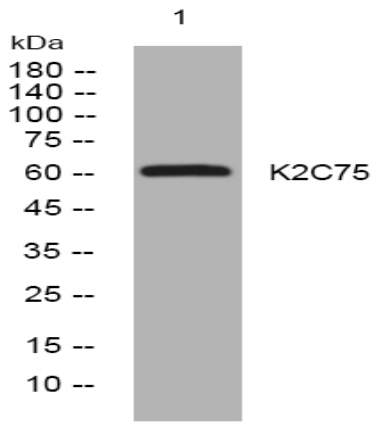
Best Tools for immunology Research

K2C75 rabbit pAb

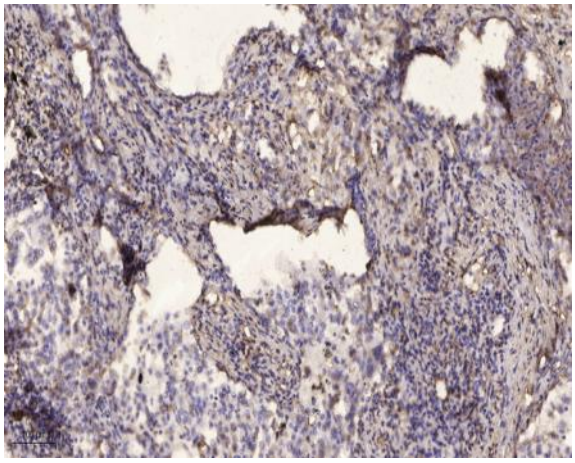
Catalog No :	YT7696
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	K2C75
Gene Name :	KRT75 K6HF KB18
Protein Name :	K2C75
Human Gene Id :	9119
Human Swiss Prot No :	O95678
Mouse Gene Id :	109052
Mouse Swiss Prot No :	Q8BGZ7
Rat Gene Id :	300247
Rat Swiss Prot No :	Q6IG05
Immunogen :	Synthesized peptide derived from human K2C75 AA range: 272-322
Specificity :	This antibody detects endogenous levels of K2C75 at Human/Mouse/Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	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 :	61kD
Background :	This gene is a member of the type II keratin family clustered on the long arm of chromosome 12. Type I and type II keratins heteropolymerize to form intermediate-sized filaments in the cytoplasm of epithelial cells. This gene is expressed in the companion layer, upper germinative matrix region of the hair follicle, and medulla of the hair shaft. The encoded protein plays an essential role in hair and nail formation. Variations in this gene have been associated with the hair disorders pseudofolliculitis barbae (PFB) and loose anagen hair syndrome (LAHS). [provided by RefSeq, Oct 2008],
Function :	disease:Defects in KRT75 may be a cause of loose anagen hair syndrome (LAHS) [MIM:600628]. In LAHS, anagen hairs are easily pulled from the scalp. The hair is relatively sparse and does not grow long. Hair of fair color and hair shafts of reduced caliber, and an early age of onset are features. Usually the hairs are not fragile and there are no areas of breakage.,function:Plays a central role in hair and nail formation. Essential component of keratin intermediate filaments in the companion layer of the hair follicle.,miscellaneous:May be used as a marker of hair differentiation.,miscellaneous:There are two types of cytoskeletal and microfibrillar keratin, I (acidic) and II (neutral to basic) (40-55 and 56-70 kDa, respectively).,polymorphism:The Thr-161 variant may increase risk to develop pseudofolliculitis barbae (PFB) [MIM:612318]. PFB is a common hair disorder characterized by a pustu
Subcellular Location :	intermediate filament,keratin filament,extracellular exosome,
Expression :	Highly expressed in hair follicles from scalp. Specifically expressed in the of the hair companion layer follicle, a single layered band of flat and vertically oriented cells between the cuboidal outer root sheath (ORS) cells and the inner root sheath (IRS) that stretches from the lowermost bulb region to the isthmus of the follicle. Also expressed in medullated hairs. In nails, it is almost exclusively present in the nail bed (at protein level).
Sort :	8828
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

Products Images



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



Immunohistochemical analysis of paraffin-embedded human lung 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).