



# K1C40 rabbit pAb

<b>Catalog No</b>	BYab-11212
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human; Mouse;Rat
<b>Applications</b>	WB;IHC
<b>Gene Name</b>	KRT40 KA36
<b>Protein Name</b>	K1C40
<b>Immunogen</b>	Synthesized peptide derived from human K1C40 AA range: 143-193
<b>Specificity</b>	This antibody detects endogenous levels of K1C40 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>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB 1:500-2000;IHC-p 1:50-300
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	
<b>Cell Pathway</b>	intermediate filament,
<b>Tissue Specificity</b>	Expressed in skin and scalp. Also very weakly expressed in tongue, breast, colon and small intestine. In the hair follicle, it is specifically present in the upper hair cuticle. Not present in the upper cortex (at protein level).
<b>Function</b>	developmental stage:During differentiation of the hair, it is one of the last keratins expressed.,function:May play a role in late 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).,similarity:Belongs to the intermediate filament family.,subunit:Heterotetramer of two type I and two type II keratins.,tissue specificity:Expressed in skin and scalp. Also very weakly expressed in tongue, breast, colon and small intestine. In the hair follicle, it is specifically present in the upper hair cuticle. Not present in the upper cortex (at protein level).,

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### Background

This gene encodes a member of the type I (acidic) keratin family, which belongs to the superfamily of intermediate filament (IF) proteins. Keratins are heteropolymeric structural proteins which form the intermediate filament. These filaments, along with actin microfilaments and microtubules, compose the cytoskeleton of epithelial cells. The type I keratin genes are clustered in a region of chromosome 17q12-q21. [provided by RefSeq, Jul 2009],

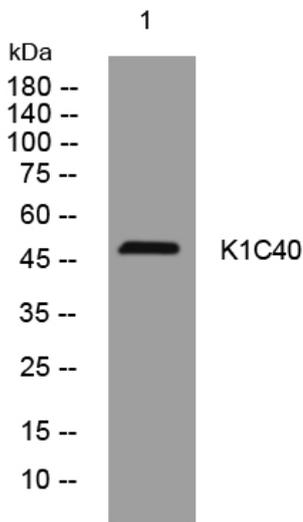
### matters needing attention

Avoid repeated freezing and thawing!

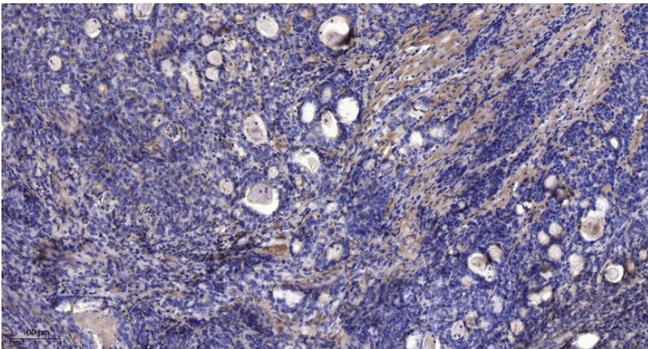
### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



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



Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 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).