



## Rabbit Anti-KLHL7 antibody

SL5935R

<b>Product Name:</b>	KLHL7
<b>Chinese Name:</b>	kelch样蛋白7抗体
<b>Alias:</b>	Kelch like protein 7; kelch-like 6; kelch-like 7; kelch/BTB.KLHL7 HUMAN
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,
<b>Applications:</b>	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	64kDa
<b>Cellular localization:</b>	The nucleus
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human KLHL7:51-150/856
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>This gene encodes a BTB-Kelch-related protein. The encoded protein may be involved in protein degradation. Mutations in this gene have been associated with retinitis pigmentosa 42. [provided by RefSeq, Feb 2010].</p> <p><b>Function:</b> Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex. The BCR(KLHL7) complex acts by mediating ubiquitination and subsequent</p>

degradation of substrate proteins. Probably mediates 'Lys-48'-linked ubiquitination.

**Subunit:**

Homodimer. Component of the BCR(KLHL7) E3 ubiquitin ligase complex, at least composed of CUL3 and KLHL7 and RBX1.

**Subcellular Location:**

Nucleus.

**Tissue Specificity:**

Widely expressed, with highest levels in adult and fetal heart, CNS and adult testis.

**DISEASE:**

Defects in KLHL7 are the cause of retinitis pigmentosa type 42 (RP42) [MIM:612943]. A retinal dystrophy belonging to the group of pigmentary retinopathies. RP is characterized by retinal pigment deposits visible on fundus examination and primary loss of rod photoreceptor cells followed by secondary loss of cone photoreceptors. Patients typically have night vision blindness and loss of midperipheral visual field. As their condition progresses, they lose their far peripheral visual field and eventually central vision as well.

**Similarity:**

Contains 1 BACK (BTB/Kelch associated) domain.

Contains 1 BTB (POZ) domain.

Contains 6 Kelch repeats.

**SWISS:**

Q8IXQ5

**Gene ID:**

55975

**Database links:**

[Entrez Gene: 55975](#)Human

[Entrez Gene: 52323](#)Mouse

[Entrez Gene: 362303](#)Rat

[Oimim: 611119](#)Human

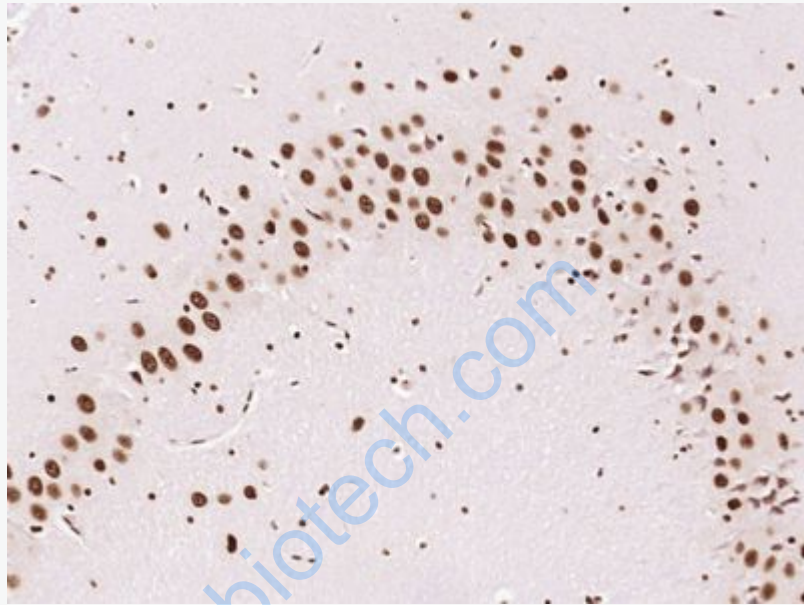
[SwissProt: Q8IXQ5](#)Human

[SwissProt: Q8BUL5](#)Mouse

[SwissProt: Q5XHZ6](#)Rat

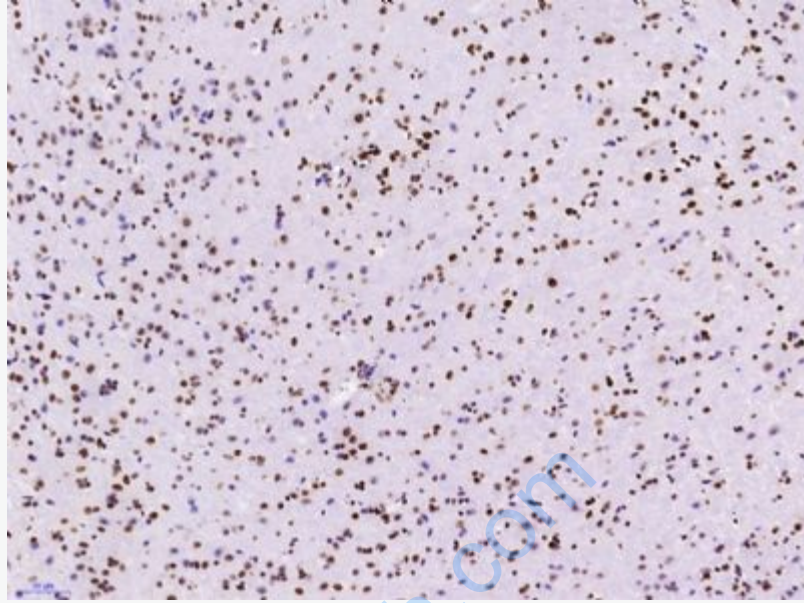
**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

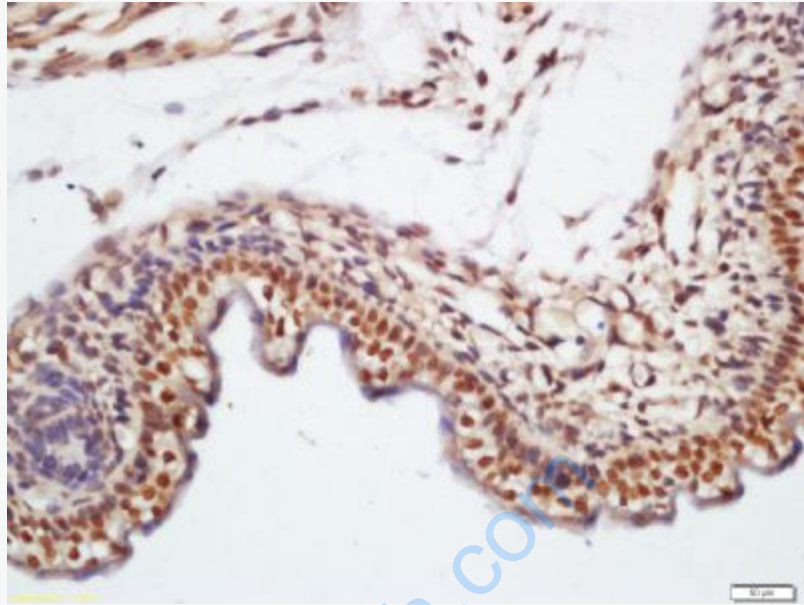


**Picture:**

Paraformaldehyde-fixed, paraffin embedded (Rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLHL7) Polyclonal Antibody, Unconjugated (SL5935R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (KLHL7) Polyclonal Antibody, Unconjugated (SL5935R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Tissue/cell: mouse embryo tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-KLHL7 Polyclonal Antibody, Unconjugated(SL5935R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining