

KLHL24 Rabbit pAb

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Catalog # AP58847

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	Q6TFL4
Reactivity	Rat, Human, Mouse
Predicted	Dog, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	68361
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human KLHL24
Epitope Specificity	1-100/600
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Perikaryon. Cell projection, axon. Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	KLHL24 specifically reduces kainate receptor-mediated currents in hippocampal neurons, most probably by modulating channel properties.

Additional Information

Gene ID	54800
Other Names	Kelch-like protein 24, Kainate receptor-interacting protein for GluR6, KRIP6, Protein DRE1, KLHL24, DRE1
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	KLHL24
Synonyms	DRE1
Function	Necessary to maintain the balance between intermediate filament stability

and degradation, a process that is essential for skin integrity (PubMed:[27889062](#)). As part of the BCR(KLHL24) E3 ubiquitin ligase complex, mediates ubiquitination of KRT14 and controls its levels during keratinocytes differentiation (PubMed:[27798626](#)). Specifically reduces kainate receptor-mediated currents in hippocampal neurons, most probably by modulating channel properties (By similarity). Has a crucial role in cardiac development and function (PubMed:[30715372](#)).

Cellular Location

Perikaryon. Cell projection, axon {ECO:0000250|UniProtKB:Q56A24}. Cytoplasm {ECO:0000250|UniProtKB:Q56A24, ECO:0000269|PubMed:27889062}. Cell junction, desmosome. Cell junction, adherens junction

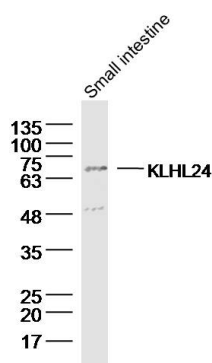
Tissue Location

Expressed in the skin (PubMed:27798626, PubMed:27889062). Found in keratinocytes, dermal fibroblasts, and melanocytes (PubMed:27889062). Basal-layer keratinocytes have lower KLHL24 expression than suprabasal keratinocytes (PubMed:27798626) Expressed in the brain, spinal cord, liver, testis, heart and at higher levels in the skeletal muscle (PubMed:30715372)

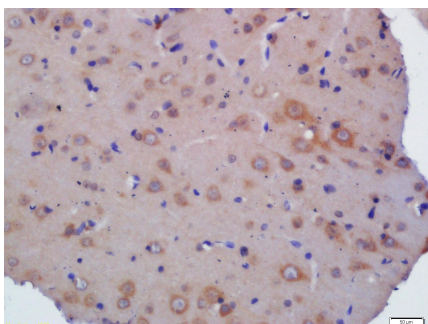
Background

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Images



Sample: Small intestine (mouse) Lysate at 40 ug
Primary: Anti- KLHL24(AP58847) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 68 kD
Observed band size: 68 kD



Tissue/cell: rat brain 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-KLHL24 Polyclonal Antibody, Unconjugated(AP58847) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.