



[Go to Product page](#)

Datasheet for ABIN6262847
anti-KLHL3 antibody (N-Term)

3 Images

Overview

| | |
|----------------------|--|
| Quantity: | 100 µL |
| Target: | KLHL3 |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KLHL3 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

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|-----------------------|---|
| Immunogen: | A synthesized peptide derived from human KLHL3, corresponding to a region within N-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | KLHL3 Antibody detects endogenous levels of total KLHL3. |
| Predicted Reactivity: | Bovine,Horse,Sheep,Rabbit |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific). |

Target Details

| | |
|---------|-------|
| Target: | KLHL3 |
|---------|-------|

Target Details

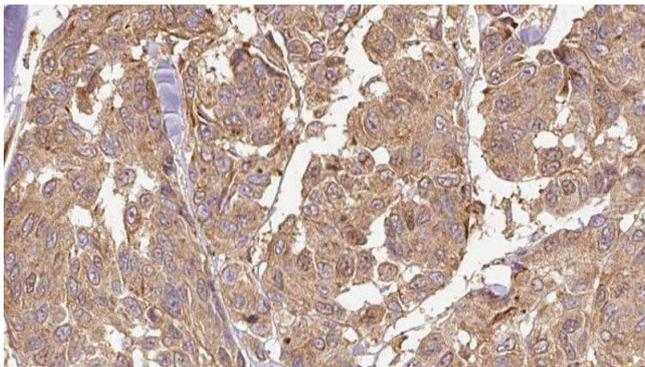
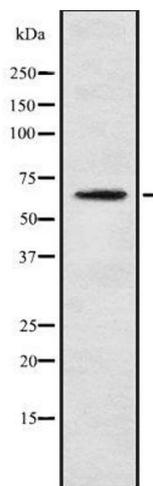
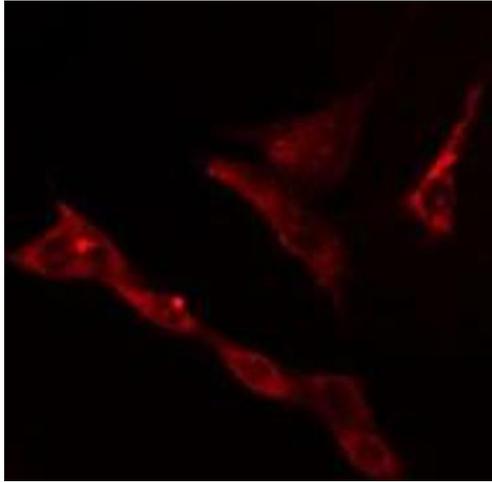
| | |
|-------------------|---|
| Alternative Name: | KLHL3 (KLHL3 Products) |
| Background: | <p>Description: Substrate-specific adapter of a BCR (BTB-CUL3-RBX1) E3 ubiquitin ligase complex that acts as a regulator of ion transport in the distal nephron (PubMed:14528312, PubMed:22406640, PubMed:23387299, PubMed:23453970, PubMed:23576762, PubMed:23665031). The BCR(KLHL3) complex acts by mediating ubiquitination of WNK4, an inhibitor of potassium channel KCNJ1, leading to WNK4 degradation (PubMed:23387299, PubMed:23453970, PubMed:23576762, PubMed:23665031). The BCR(KLHL3) complex also mediates ubiquitination and degradation of CLDN8, a tight-junction protein required for paracellular chloride transport in the kidney (By similarity).</p> <p>Gene: KLHL3</p> |
| Molecular Weight: | 64 kDa |
| Gene ID: | 26249 |
| UniProt: | Q9UH77 |

Application Details

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|--------------------|---|
| Application Notes: | WB 1:1000-3000, IHC 1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |

Handling

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|--------------------|--|
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |



Immunofluorescence (fixed cells)

Image 1. ABIN6278586 staining RAW264.7 cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody (Cat.# S0006), diluted at 1/600, was used as secondary antibody

Western Blotting

Image 2. Western blot analysis of KLHL3 using Jurkat whole cell lysates

Immunohistochemistry

Image 3. ABIN6278586 at 1/100 staining Human Melanoma tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary