Kelch 样蛋白 3 抗体

产品货号： mlR8053

英文名称： KLHL3

中文名称： Kelch 样蛋白 3 抗体

别　　名： KLHL 3; FLJ40871; kelch (Drosophila) like 3; kelch like 3 (Drosophila); kelch like 3; Kelch like protein 3; KIAA1129; MGC44594; KLHL3_HUMAN.

研究领域： 细胞生物　免疫学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Chicken, Dog, Pig, Cow, Horse, Rabbit, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分 子 量： 65kDa

细胞定位： 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human KLHL3:51-160/587

亚　　型： IgG

纯化方法： affinity purified by Protein A

储 存 液： 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件： Store at -20 ℃ 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℃. 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 ℃.

PubMed： **PubMed**

产品介绍： KLHL3 protein contains a poxvirus and zinc finger domain at the N-terminus and six tandem repeats (kelch repeats) at the C-terminus. At the amino acid level, KLHL3 shares 77% similarity with Drosophila

kelch and 89% similarity with Mayven (KLHL2), another human kelch homolog. At least three isoforms are produced and may be the result of alternative promoter usage. The KLHL3 maps within the smallest commonly deleted segment in myeloid leukemias characterized by a deletion of 5q; however, no inactivating mutations of KLHL3 could be detected in malignant myeloid disorders with loss of 5q.

Function:

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. The BCR(KLHL3) complex may act by mediating ubiquitination of SLC12A3/NCC, thereby regulating SLC12A3/NCC subcellular location at the cell membrane.

Subunit:

Component of the BCR(KLHL3) E3 ubiquitin ligase complex, at least composed of CUL3 and KLHL3 and RBX1 (Probable). Interacts with SLC12A3.

Subcellular Location:

Cytoplasm, cytoskeleton. Cytoplasm, cytosol.

Tissue Specificity:

Widely expressed.

DISEASE:

Defects in KLHL3 are the cause of Pseudohypoaldosteronism type 2D (PHA2D) [MIM:614495]. A disorder characterized by severe hypertension, hyperkalemia, hyperchloremia, hyperchloremic metabolic acidosis, and correction of physiologic abnormalities by thiazide diuretics. PHA2D inheritance is autosomal dominant or recessive.

Similarity:

Contains 1 BACK (BTB/Kelch associated) domain.

Contains 1 BTB (POZ) domain.

Contains 6 Kelch repeats.

SWISS:

Q9UH77

Gene ID:

26249

Important Note:

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

产品图片