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Datasheet for ABIN2775874

anti-KLHL3 antibody (N-Term)

2 Images

Overview

Quantity:	100 µL
Target:	KLHL3
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Guinea Pig, Dog, Rabbit, Horse, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLHL3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human KLHL3
Sequence:	CSPYFCAMFT GDMSESKAKK IEIKDVDGQT LSKLIDYIYT AEIEVTEENV
Predicted Reactivity:	Cow: 100%, Dog: 86%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Zebrafish: 82%
Characteristics:	This is a rabbit polyclonal antibody against KLHL3. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

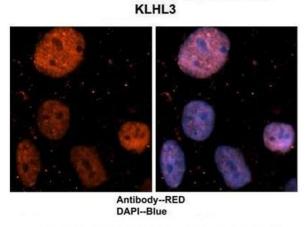|	
Target:	KLHL3

Target Details

Alternative Name:	KLHL3 (KLHL3 Products)
Background:	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. Alias Symbols: FLJ40871, KIAA1129, MGC44594, PHA2D Protein Interaction Partner: WNK4, KLHL12, KLHL3, KEAP1, MORF4L2, CUL3, UBC, C6orf165, WNK3, WNK2, WNK1, RBX1, SLC12A3, ELAVL1, SYNCRIP, SYT2, OPRD1, GNAO1, GNAI1, Protein Size: 587
Molecular Weight:	65 kDa
Gene ID:	26249
NCBI Accession:	NM_017415, NP_059111
UniProt:	Q9UH77

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 587 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

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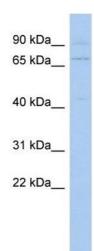
Handling

Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images

KLHL3

Antibody--RED
DAPI--Blue

See IHC 1 Data and Customer Feedback for more information

Immunohistochemistry

Image 1. Sample Type : Human brain stem cells Primary Antibody Dilution : 1:500 Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594 Secondary Antibody Dilution : 1:1000 Color/Signal Descriptions : KLHL3: Red DAPI:Blue Gene Name : KLHL3 Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science

Western Blotting

Image 2. WB Suggested Anti-KLHL3 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:12500 Positive Control: THP-1 cell lysate