SunLong Biotech Co.,LTD
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[Marker Primary Antibody]

Rabbit Anti-KLHDC2/Biotin Conjugated antibody

Catalog Number: SL16758R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-KLHDC2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human KLHDC2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse(predicted:Human,Rat,Cow,Horse,Rabbit,Sheep)
Background:	background: KLHDC2 is a 406 amino acid protein that contains six kelch repeats. Localizing to the nucleus, KLHDC2 is widely expressed, with high levels found in muscle, heart, pancreas and liver. KLHDC2 interacts directly with CREB3, repressing CREB3-mediated transcription. Existing as two alternatively spliced isoforms, the gene encoding KLHDC2 maps to human chromosome 14, which houses over 700 genes and comprises nearly 3.5% of the human genome. Chromosome 14 encodes the presinilin 1 (PSEN1) gene, which is one of the three key genes associated with the development of Alzheimer's disease (AD). The SERPINA1 gene is also located on chromosome 14 and, when defective, leads to the genetic disorder ?-antitrypsin deficiency, which is characterized by severe lung complications and liver dysfunction. **Function:** Represses CREB3-mediated transcription by interfering with CREB3-DNA binding. **Subcellular Location:** Nucleus.

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

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	Tissue Specificity: Widely expressed, with high levels in skeletal muscle, heart, pancreas and liver. Undetectable in peripheral blood leukocytes. **Similarity:** Contains 6 Kelch repeats. **Database links:** **Entrez Gene:** 23588 Human **Entrez Gene:** 69554 Mouse **Entrez Gene:** 299113 Rat Omim: 611280 Human **SwissProt:** Q9Y2U9 Human **SwissProt:** Q4G5Y1 Mouse **SwissProt:** Q3KRE6 Rat **Unigene:** 509264 Human **Unigene:** 234368 Mouse **Unigene:** 129179 Rat Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.