

Rabbit Anti-KLHDC2/AP Conjugated antibody

SL16758R-AP

Product Name	Anti-KLHDC2/AP
Chinese Name	碱性磷酸酶 (AP) 标记的肝癌相关抗原 33 抗体
Alias	HCLP-1; Hepatocellular carcinoma-associated antigen 33; Host cell factor homolog LCP; Host cell factor-like protein 1; Kelch domain containing 2; Kelch domain-containing protein 2; KLDC2_HUMAN; KLHDC2; LCP.
Research Area	Tumour Cell biology transcriptional regulatory factor Epigenetics
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	Mouse(predicted:Human,Rat,Cow,Horse,Rabbit,Sheep) WB=1:500-2000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	46kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human KLHDC2
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. 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.
Storage	
Product Detail	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 presenilin 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 α -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.

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



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