

Rabbit anti-Human, mouse KLDC2 Polyclonal Antibody | anti-KLHDC2 antibody

KLDC2 Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287562	Rabbit	Human, mouse	ELISA, Western Blot

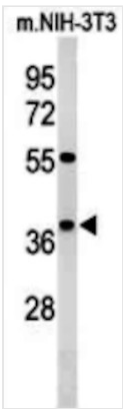
PRODUCT SYNONYMS

KLDC2; Polyclonal Antibody; KLDC2 Antibody (C-term); Kelch domain-containing protein 2; Hepatocellular carcinoma-associated antigen 33; Host cell factor homolog LCP; Host cell factor-like protein 1; HCLP-1; KLHDC2; HCA33; anti-KLHDC2 antibody

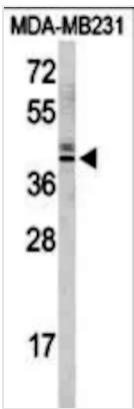
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, mouse
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	This KLDC2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 293-320 amino acids from the C-terminal region of human KLDC2.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	293-320
Sequence Length	249
Applicable Applications for anti-KLHDC2 antibody	ELISA, WB (Western Blot)
Cellular Location	Nucleus
Tissue Location	Widely expressed, with high levels in skeletal muscle, heart, pancreas and liver (PubMed:11384994, PubMed:16964437) Undetectable in peripheral blood leukocytes (PubMed:16964437)

Tissue Location	Widely expressed, with high levels inskeletal muscle, heart, pancreas and liver.Undetectable in peripheral bloodleukocytes. EMBL; AF113131; AAD21038.1;-; mRNA EMBL; AF244137; AAF66246.1;-;mRNA EMBL; BX161429; CAD61901.1;-;mRNA EMBL; AK001771; BAA91898.1;-;mRNA EMBL; AK056298; BAG51671.1;-;mRNA EMBL; CR457205; CAG33486.1;-;mRNA EMBL; CH471078; EAW65749.1;-;Genomic_DNA EMBL; CH471078;EAW65750.1;-; Genomic_DNA EMBL;BC002335; AAH02335.1;-; mRNA EMBL;BC024192; AAH24192.1;-; mRNA CCDS;CCDS9693.1;- [Q9Y2U9-1] RefSeq;NP_055130.1; NM_014315.2. [Q9Y2U9-1]PDB; 6DO3; X-ray; 2.17 A; A/B=1-362 PDB;6DO4; X-ray; 2.20 A; A/B=1-362 PDB;6DO5; X-ray; 2.50 A; A/B=1-362 PDBsum;6DO3; - PDBsum; 6DO4; - PDBsum; 6DO5; -SMR; Q9Y2U9; - BioGRID; 117123; 58IntAct; Q9Y2U9; 54 MINT; Q9Y2U9; -STRING; 9606.ENSPP00000298307; -iPTMnet; Q9Y2U9; - PhosphoSitePlus;Q9Y2U9; - BioMuta; KLHDC2; - DMDM;28380093; - EPD; Q9Y2U9; - jPOST;Q9Y2U9; - MassIVE; Q9Y2U9; - PaxDb;Q9Y2U9; - PeptideAtlas; Q9Y2U9; - PRIDE;Q9Y2U9; - ProteomicsDB; 85905; -. [Q9Y2U9-1] ProteomicsDB; 85906; -. [Q9Y2U9-2] Antibodypedia; 23574; 93antibodies DNASU; 23588; - Ensembl;ENST00000298307; ENSPP00000298307;ENSG00000165516. [Q9Y2U9-1] Ensembl;ENST00000555443; ENSPP00000450944;ENSG00000165516. [Q9Y2U9-2] Ensembl;ENST00000555739; ENSPP00000450539;ENSG00000165516. [Q9Y2U9-2] GeneID;23588; - KEGG; hsa:23588; - UCSC;uc001www.4; human. [Q9Y2U9-1] CTD;23588; - DisGeNET; 23588; - EuPathDB;HostDB:ENSG00000165516.10; -GeneCards; KLHDC2; - HGNC; HGNC:20231;KLHDC2 HPA; ENSG00000165516; Lowtissue specificity MIM; 611280; geneneXtProt; NX_Q9Y2U9; - OpenTargets;ENSG00000165516; - PharmGKB;PA134924955; - eggNOG; KOG0379;Eukaryota GeneTree;ENSGT00940000157150; - HOGENOM;CLU_1151487_0_0_1; - InParanoid; Q9Y2U9;- OMA; RYRDSRM; - OrthoDB;1263405at2759; - PhylomeDB; Q9Y2U9; -TreeFam; TF314081; - PathwayCommons;Q9Y2U9; - BioGRID-ORCS; 23588; 6 hits in876 CRISPR screens ChiTaRS; KLHDC2;human GenomeRNAi; 23588; - Pharos;Q9Y2U9; Tbio PRO; PR:Q9Y2U9; -Proteomes; UP000005640; Chromosome 14RNAct; Q9Y2U9; protein Bgee;ENSG00000165516; Expressed inquadriceps femoris and 246 other tissuesExpressionAtlas; Q9Y2U9; baseline anddifferential Genevisible; Q9Y2U9; HS GO;GO:0016604; C:nuclear body; IDA:HPA GO;GO:0031965; C:nuclear membrane;IDA:HPA GO; GO:0005654; C:nucleoplasm;IDA:HPA Gene3D; 2.120.10.80; -; 2 InterPro;IPR015915; Kelch-typ_b-propeller SUPFAM;SSF117281; SSF117281; 2 1: Evidence atprotein level; 3D-structure; Alternativesplicing; Kelch repeat; Nucleus; Referenceproteome; Repeat CHAIN 1..406/note="Kelch domain-containing protein 2"/id="PRO_0000119127" REPEAT 43..89/note="Kelch 1" REPEAT 102..155/note="Kelch 2" REPEAT 157..202/note="Kelch 3" REPEAT 229..278/note="Kelch 4" REPEAT 280..329/note="Kelch 5" REPEAT 331..377/note="Kelch 6" VAR_SEQ 239..249/note="DARMNDLHYLN -> VSIQTTSMTCF (inisoform 2)"/evidence="ECO:0000303 Ref.3"/id="VSP_030165" VAR_SEQ 250..406/note="Missing (in isoform 2)"/evidence="ECO:0000303 Ref.3"/id="VSP_030166" CONFLICT 25 /note="E-> D (in Ref. 5; CAG33486)"/evidence="ECO:0000305" STRAND 36..47/evidence="ECO:0000244 PDB:6DO3"STRAND 67..72/evidence="ECO:0000244 PDB:6DO3" TURN73..75/evidence="ECO:0000244 PDB:6DO3"STRAND 78..82/evidence="ECO:0000244 PDB:6DO3"STRAND 84..86/evidence="ECO:0000244 PDB:6DO3"STRAND 95..99/evidence="ECO:0000244 PDB:6DO3"STRAND 102..106/evidence="ECO:0000244 PDB:6DO3"STRAND 113..115/evidence="ECO:0000244 PDB:6DO3"STRAND 118..122/evidence="ECO:0000244 PDB:6DO3"STRAND 131..134/evidence="ECO:0000244 PDB:6DO3"STRAND 144..147/evidence="ECO:0000244 PDB:6DO3"STRAND 149..153/evidence="ECO:0000244 PDB:6DO3"STRAND 156..165/evidence="ECO:0000244 PDB:6DO3"STRAND 175..177/evidence="ECO:0000244 PDB:6DO3"HELIX 179..182/evidence="ECO:0000244 PDB:6DO3"STRAND 189..199/evidence="ECO:0000244 PDB:6DO3" TURN200..202/evidence="ECO:0000244 PDB:6DO3"STRAND 204..206/evidence="ECO:0000244 PDB:6DO3"STRAND 217..220/evidence="ECO:0000244 PDB:6DO5"STRAND 222..226/evidence="ECO:0000244 PDB:6DO3"STRAND 229..237/evidence="ECO:0000244 PDB:6DO3"STRAND 240..249/evidence="ECO:0000244 PDB:6DO3" TURN250..252/evidence="ECO:0000244 PDB:6DO3"STRAND 254..258/evidence="ECO:0000244 PDB:6DO3"STRAND 272..275/evidence="ECO:0000244 PDB:6DO3"STRAND 277..287/evidence="ECO:0000244 PDB:6DO3"STRAND 293..301/evidence="ECO:0000244 PDB:6DO3" TURN302..305/evidence="ECO:0000244 PDB:6DO3"STRAND 306..310/evidence="ECO:0000244 PDB:6DO3" TURN313..316/evidence="ECO:0000244 PDB:6DO4"STRAND 323..326/evidence="ECO:0000244 PDB:6DO3"STRAND 330..335/evidence="ECO:0000244 PDB:6DO3"STRAND 338..340/evidence="ECO:0000244 PDB:6DO3"HELIX 345..347/evidence="ECO:0000244 PDB:6DO3"STRAND 354..358/evidence="ECO:0000244 PDB:6DO3"SEQUENCE 406 AA; 46099 MW;07486B06AC4E97FF CRC64; MADGNEDLRADDLPGPAFES YESMELACPA ERSGHVAVSDGRHMFVWGGY KSNQVRGLYD FYLPREELWIYNMETGRWKK INTEG DVPPS MSGSCAVCVDRVLYLFGGHH SRGNTNKFYM LDSRSTDRVLQWERIDCQGI PPSSKDKLGV WYKKNLIIFFGGYGLPEDK VLGTFFEDET SFWNSSHPRGWNDHVHILDT ETFTWSQPIT TGKAPSPRAAHACATVGNRG VFVGGRYRDA RMNDLHYLNLDTWEWNELIP QGICPVGRSW HSLTPVSSDHLFLFGGFTTD KQPLSDAWTY CISKNEWIQFNHPYTEKPR L WHTACASDEG EVIVFGGCANNLLVHHRAAH SNEILIFSVQ PKSLVRLSLEAVICFKEMLA NSWNCLPKHL LHSVNRFGSNNTSGS
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.



WB (Western Blot)
Western blot analysis of KLDC2 Antibody (C-term) in mouse NIH-3T3 cell line lysates (35ug/lane). KLDC2 (arrow) was detected using the purified Pab.



WB (Western Blot)
Western blot analysis of KLDC2 Antibody (C-term) in MDA-MB231 cell line lysates (35ug/lane). KLDC2 (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-KLHDC2 antibody	KLDC2 represses CREB3-mediated transcription by interfering with CREB3-DNA binding.
References	Chin, K.T., et al. Mol. Cell. Biochem. 296 (1-2), 109-119 (2007) Ewing, R.M., et al. Mol. Syst. Biol. 3, 89 (2007) Wang, Y., et al. J. Immunol. 169(2):1102-1109(2002)

NCBI AND UNIPROT INFORMATION

NCBI GI #	7657301
NCBI GeneID	23588
NCBI Accession #	NP_055130.1
NCBI GenBank Nucleotide #	NM_014315.2
UniProt Accession #	Q9Y2U9; Q6IAF0; Q86TY9; B3KPF9
NCBI Official Full Name	kelch domain-containing protein 2
NCBI Official Synonym Full Names	kelch domain containing 2
NCBI Official Symbol	KLHDC2
NCBI Official Synonym Symbols	LCP; HCLP1; HCLP-1
NCBI Protein Information	kelch domain-containing protein 2
UniProt Protein Name	Kelch domain-containing protein 2
UniProt Gene Name	KLHDC2
UniProt Synonym Gene Names	HCA33; HCLP-1
UniProt Entry Name	KLDC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.