Datasheet for ABIN3042475

anti-KLF6 antibody (AA 38-205)

2 Images

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Overview

Quantity:	100 µg
Target:	KLF6
Binding Specificity:	AA 38-205
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This KLF6 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Krueppel-like factor 6(KLF6) detection. Tested with WB in Human,Rat.
Immunogen:	E.coli-derived human KLF6 recombinant protein (Position: E38-N205). Human KLF6 shares 92% and 90% amino acid (aa) sequences identity with mouse and rat KLF6, respectively.
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Krueppel-like factor 6(KLF6) detection. Tested with WB in Human,Rat. Gene Name: Kruppel-like factor 6 Protein Name: Krueppel-like factor 6
Purification:	Immunogen affinity purified.

Target Details

Target:	KLF6
Alternative Name:	KLF6 (KLF6 Products)
Background:	Krueppel-like factor 6 (KLF6) is a protein that in humans is encoded by the KLF6 gene. It is a tumor suppressor gene which is located on 10p15.1. This gene encodes a nuclear protein that has three zinc fingers at the end of its C-terminal domain, a serine/threonine-rich central region, and an acidic domain lying within the N-terminal region. The zinc fingers of this protein are responsible for the specific DNA binding with the guanine-rich core promoter elements. The central region might be involved in activation or posttranslational regulatory pathways, and the acidic N-terminal domain might play an important role in the process of transcriptional activation. It is capable of activating transcription approximately 4-fold either on homologous or heterologous promoters. The DNA binding and transcriptional activity of this protein, in conjunction with its expression pattern, suggests that this protein may participate in the regulation and/or maintenance of the basal expression of pregnancy-specific glycoprotein genes and possibly other TATA box-less genes. Synonyms: B cell derived protein 1 antibody|B cell-derived 1 antibody|B-cell-derived protein 1 antibody|BCD1 antibody|CBA1 antibody|COPEB antibody|Core promoter element-binding protein antibody|CPBP antibody|GBF antibody|GC rich binding factor antibody|GC rich sites binding factor GBF antibody|GC-rich sites-binding factor GBF antibody|Klf6 antibody|KLF6_HUMAN antibody|Krueppel-like factor 6 antibody|Krueppel-like factor 6 isoform C antibody|Kruppel like zinc finger protein Zf9 antibody|PAC1 antibody|Proto-oncogene BCD1 antibody|Protooncogene B cell derived 1 antibody|ST12 antibody|Suppression of tumorigenicity 12 (prostate) antibody|Suppressor of tumorigenicity 12 protein antibody|Transcription factor Zf9 antibody|Zf9 antibody
Gene ID:	1316
UniProt:	Q99612

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, The detection limit for KLF6 is approximately 0.25 ng/lane under reducing conditions. Notes: Tested Species: Species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

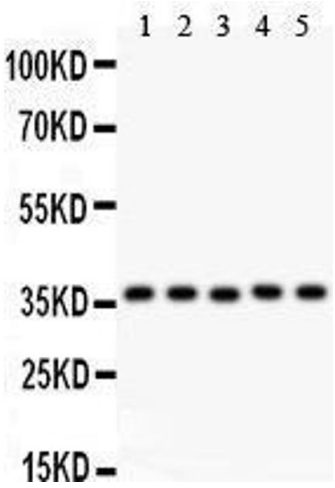
Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
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 freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

Images



Western Blotting

Image 1. Anti- KLF6 antibody, Western blotting All lanes: Anti KLF6 at 0.5ug/ml Lane 1: Human Placenta Tissue Lysate at 50ug Lane 2: Rat Testis Tissue Lysate at 50ug Lane 3: HELA Whole Cell Lysate at 40ug Lane 4: HEPG2 Whole Cell Lysate at 40ug Lane 5: HEPA Whole Cell Lysate at 40ug Predicted bind size: 32KD Observed bind size: 37KD

Images

Western Blotting

Image 2. Anti- KLF6 antibody, Western blotting All lanes: Anti KLF6 at 0.5ug/ml WB: Recombinant Human KLF6 Protein 0.5ng Predicted bind size: 36KD Observed bind size: 36KD