

Anti-KLF6 Picoband Antibody

Catalog # ABO11922

Product Information

Application	WB
Primary Accession	Q99612
Host	Rabbit
Reactivity	Human, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Krueppel-like factor 6(KLF6) detection. Tested with WB in Human;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	1316
Other Names	Krueppel-like factor 6, B-cell-derived protein 1, Core promoter element-binding protein, GC-rich sites-binding factor GBF, Proto-oncogene BCD1, Suppressor of tumorigenicity 12 protein, Transcription factor Zf9, KLF6, BCD1, COPEB, CPBP, ST12
Calculated MW	31865
Application Details	Western blot, 0.1-0.5 µg/ml, Human, Rat
Subcellular Localization	Nucleus.
Tissue Specificity	Highly expressed in placenta followed by spleen, thymus, prostate, testis, small intestine and colon. Weakly expressed in pancreas, lung, liver, heart and skeletal muscle. Also expressed in fetal brain, spleen and thymus.
Source	Eukaryota
Protein Name	Krueppel-like factor 6
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
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.
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins

Storage	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.
Sequence Similarities	Belongs to the krueppel C2H2-type zinc-finger protein family.

Protein Information

Name	KLF6
Synonyms	BCD1, COPEB, CPBP, ST12
Function	Transcriptional activator (By similarity). Binds a GC box motif. Could play a role in B-cell growth and development.
Cellular Location	Nucleus.
Tissue Location	Highly expressed in placenta followed by spleen, thymus, prostate, testis, small intestine and colon. Weakly expressed in pancreas, lung, liver, heart and skeletal muscle. Also expressed in fetal brain, spleen and thymus

Background

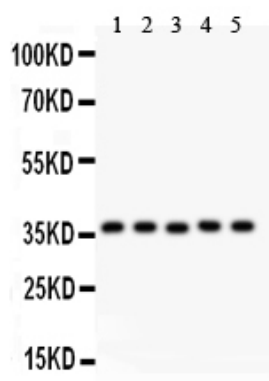
Krueppel-like factor 6 (KLF6) is a protein that in humans is encoded by the KLF6 gene. It is a tumor suppressor gene which is located on 10p15.1. This gene encodes a nuclear protein that has three zinc fingers at the end of its C-terminal domain, a serine/threonine-rich central region, and an acidic 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.

Images



Anti- KLF6 antibody, ABO11922, Western blotting
All lanes:
Anti KLF6 (ABO11922) at 0.5ug/ml
WB: Recombinant Human KLF6 Protein 0.5ng
Predicted bind size: 36KD
Observed bind size: 36KD

Anti- KLF6 antibody, ABO11922, Western blotting
All lanes:
Anti KLF6 (ABO11922) 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:



32KDObserved bind size: 37KD

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.