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Anti-KLF6 Picoband Antibody

Catalog # ABO11922

Specification

Anti-KLF6 Picoband Antibody - 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.

Anti-KLF6 Picoband Antibody - 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 MW KDa

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.

Protein Name
Krueppel-like factor 6

Contents
Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.

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 r˚Constitution, 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.

Anti-KLF6 Picoband Antibody - 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

Anti-KLF6 Picoband Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-KLF6 Picoband Antibody - Images

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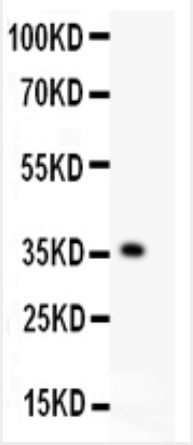
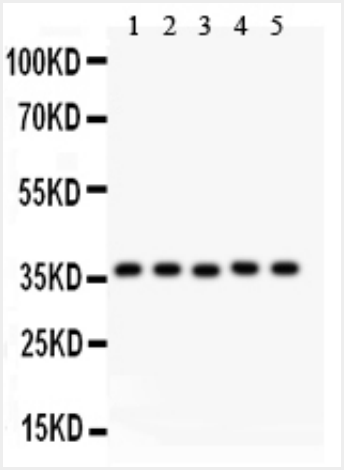


Anti- KLF6 antibody, ABO11922, Western blottingAll lanes: Anti KLF6 (ABO11922) at 0.5ug/mlWB: Recombinant Human KLF6 Protein 0.5ngPredicted bind size: 36KDObserved bind size: 36KD



Anti- KLF6 antibody, ABO11922, Western blottingAll lanes: Anti KLF6 (ABO11922) at 0.5ug/mlLane 1: Human Placenta Tissue Lysate at 50ugLane 2: Rat Testis Tissue Lysate at 50ugLane 3: HELA Whole Cell Lysate at 40ugLane 4: HEPG2 Whole Cell Lysate at 40ugLane 5: HEPA Whole Cell Lysate at 40ugPredicted bind size: 32KDObserved bind size: 37KD

Anti-KLF6 Picoband Antibody - 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.