

Goat Anti-KLF15 Antibody
Peptide-affinity purified goat antibody
Catalog # AF1593a**Specification**

Goat Anti-KLF15 Antibody - Product Information

| | |
|-------------------|-------------------------------------------------------------------------------------------------------------------|
| Application | WB |
| Primary Accession | O9UIH9 |
| Other Accession | NP_054798.1 , 28999 , 66277 (mouse) , 85497 (rat) |
| Reactivity | Human |
| Predicted | Mouse, Rat, Pig |
| Host | Goat |
| Clonality | Polyclonal |
| Concentration | 100ug/200ul |
| Isotype | IgG |
| Calculated MW | 43992 |

Goat Anti-KLF15 Antibody - Additional Information**Gene ID** 28999**Other Names**

Krueppel-like factor 15, Kidney-enriched krueppel-like factor, KLF15, KKLf

Format

0.5 mg IgG/ml in Tris saline (20mM Tris pH7.3, 150mM NaCl), 0.02% sodium azide, with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

Goat Anti-KLF15 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-KLF15 Antibody - Protein Information**Name** KLF15**Synonyms** KKLf**Function**

Transcriptional regulator that binds to the GA element of the CLCNKA promoter. Binds to the KCNIP2 promoter and regulates KCNIP2 circadian expression in the heart (By similarity). Is a repressor of CCN2 expression, involved in the control of cardiac fibrosis. It is also involved in the

control of cardiac hypertrophy acting through the inhibition of MEF2A and GATA4 (By similarity). Involved in podocyte differentiation (By similarity). Inhibits MYOCD activity. Is a negative regulator of TP53 acetylation. Inhibits NF-kappa-B activation through repression of EP300-dependent RELA acetylation.

Cellular Location

Nucleus

Tissue Location

Highly expressed in liver, skeletal muscle, and kidney. Expressed in cardiomyocytes. Expression is highly reduced in cardiac tissue of patients with non-ischemic cardiomyopathy and aortic aneurysm, and in glomerular disease. Not expressed in bone marrow or lymphoid tissues.

Goat Anti-KLF15 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 Cytometry](#)
- [Cell Culture](#)

Goat Anti-KLF15 Antibody - Images

AF1593a (0.5 µg/ml) staining of Human Kidney lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

Goat Anti-KLF15 Antibody - References

Sp1 and KLF15 regulate basal transcription of the human LRP5 gene. Li J, et al. BMC Genet, 2010 Feb 8. PMID 20141633.

KLF15 Is a transcriptional regulator of the human 17beta-hydroxysteroid dehydrogenase type 5 gene. A potential link between regulation of testosterone production and fat stores in women. Du X,

et al. J Clin Endocrinol Metab, 2009 Jul. PMID 19366843.

The Kruppel-like factor KLF15 inhibits connective tissue growth factor (CTGF) expression in cardiac fibroblasts. Wang B, et al. J Mol Cell Cardiol, 2008 Aug. PMID 18586263.

Analysis of KLF transcription factor family gene variants in type 2 diabetes. Guti rrez-Aguilar R, et al. BMC Med Genet, 2007 Aug 9. PMID 17688680.

Kruppel-like factor 15 is a regulator of cardiomyocyte hypertrophy. Fisch S, et al. Proc Natl Acad Sci U S A, 2007 Apr 24. PMID 17438289.