

Goat Anti-TCF2 / VHNF1 Antibody
Peptide-affinity purified goat antibody
Catalog # AF2072a**Specification**

Goat Anti-TCF2 / VHNF1 Antibody - Product Information

Application	WB, ICC, Pep-ELISA
Primary Accession	P35680
Other Accession	NP_006472 , 6928 , 21410 (mouse) , 25640 (rat)
Reactivity	Human
Predicted	Mouse, Rat, Zebrafish, Pig, Dog
Host	Goat
Clonality	Polyclonal
Concentration	100ug/200ul
Isotype	IgG
Calculated MW	61324

Goat Anti-TCF2 / VHNF1 Antibody - Additional Information**Gene ID** 6928**Other Names**

Hepatocyte nuclear factor 1-beta, HNF-1-beta, HNF-1B, Homeoprotein LFB3, Transcription factor 2, TCF-2, Variant hepatic nuclear factor 1, vHNF1, HNF1B, TCF2

Dilution

WB~~1:1000

ICC~~N/A

Pep-ELISA~~N/A

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-TCF2 / VHNF1 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Goat Anti-TCF2 / VHNF1 Antibody - Protein Information**Name** HNF1B**Synonyms** TCF2

Function

Transcription factor that binds to the inverted palindrome 5'-GTTAATNATTAAC-3' (PubMed:17924661, PubMed:7900999). Binds to the FPC element in the cAMP regulatory unit of the PLA2 gene (By similarity). Transcriptional activity is increased by coactivator PCBD1 (PubMed:24204001).

Cellular Location

Nucleus.

Goat Anti-TCF2 / VHNF1 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-TCF2 / VHNF1 Antibody - Images

AF2072a (0.1 µg/ml) staining of Human Liver lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.



EB07588 (0.1µg/ml) staining of Human Liver lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

Goat Anti-TCF2 / VHNF1 Antibody - Background

This gene encodes a member of the homeodomain-containing superfamily of transcription factors. The protein binds to DNA as either a homodimer, or a heterodimer with the related protein hepatocyte nuclear factor 1-alpha. The gene has been shown to function in nephron development, and regulates development of the embryonic pancreas. Mutations in this gene result in renal cysts and diabetes syndrome and noninsulin-dependent diabetes mellitus, and expression of this gene is altered in some types of cancer. Multiple transcript variants encoding different isoforms have been found for this gene.

Goat Anti-TCF2 / VHNF1 Antibody - References

Meta-analysis of genome-wide and replication association studies on prostate cancer. Liu H, et al. Prostate, 2010 Aug 5. PMID 20690139.

COMMON VARIANTS IN 40 GENES ASSESSED FOR DIABETES INCIDENCE AND RESPONSE TO METFORMIN AND LIFESTYLE INTERVENTIONS IN THE DIABETES PREVENTION PROGRAM. Jablonski KA, et al. Diabetes, 2010 Aug 3. PMID 20682687.

Mutations in the hepatocyte nuclear factor-1beta (HNF1B) gene are common with combined uterine and renal malformations but are not found with isolated uterine malformations. Oram RA, et al. Am J Obstet Gynecol, 2010 Jul 14. PMID 20633866.

Variation at the NFATC2 Locus Increases the Risk of Thiazolinedione-Induced Edema in the Diabetes REduction Assessment with ramipril and rosiglitazone Medication (DREAM) Study. Bailey SD, et al. Diabetes Care, 2010 Jul 13. PMID 20628086.

Number of prostate cancer risk alleles may identify possibly 'insignificant' disease. Helfand BT, et al. BJU Int, 2010 Jun 30. PMID 20590552.