

ARG44266 anti-HNF4A antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes HNF4A
Tested Reactivity	Ms
Predict Reactivity	Dog, Rat
Tested Application	ICC/IF
Specificity	This antibody is expected to recognise isoforms 1, 2, 4, 5, 7, 8 and 9
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	HNF4A
Species	Mouse
Immunogen	Synthetic peptide around the internal region of Mouse HNF4A (HPHLMQEHMGNTN)
Conjugation	Un-conjugated
Alternate Names	Transcription factor HNF-4; HNF4a9; HNF4a8; Transcription factor 14; MODY; HNF4a7; HNF4alpha; TCF-14; TCF14; Nuclear receptor subfamily 2 group A member 1; MODY1; NR2A21; Hepatocyte nuclear factor 4-alpha; TCF; NR2A1; HNF4; FRTS4; HNF-4-alpha

Application Instructions

Application table	Application	Dilution
	ICC/IF	10 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Affinity purified
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Background

The protein encoded by this gene is a nuclear transcription factor which binds DNA as a homodimer. The encoded protein controls the expression of several genes, including hepatocyte nuclear factor 1 alpha, a transcription factor which regulates the expression of several hepatic genes. This gene may play a role in development of the liver, kidney, and intestines. Mutations in this gene have been associated with monogenic autosomal dominant non-insulin-dependent diabetes mellitus type I. Alternative splicing of this gene results in multiple transcript variants encoding several different isoforms. [provided by RefSeq, Apr 2012]

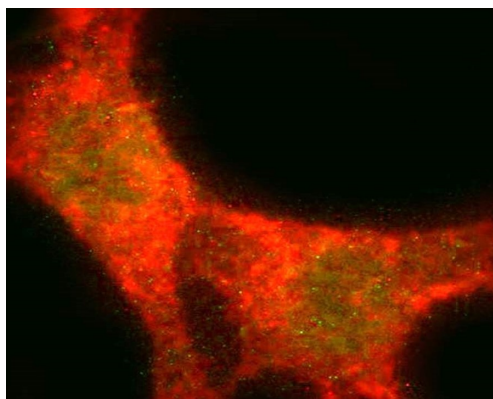
Research Area

Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Gene Regulation antibody; Metabolism antibody; Signaling Transduction antibody

PTM

Phosphorylated on tyrosine residue(s); phosphorylation is important for its DNA-binding activity. Phosphorylation may directly or indirectly play a regulatory role in the subnuclear distribution. Phosphorylation at Ser-313 by AMPK reduces the ability to form homodimers and bind DNA. Acetylation at Lys-458 lowers transcriptional activation by about two-fold.

Images



ARG44266 anti-HNF4A antibody ICC/IF image

Immunofluorescence: NIH3T3 stained with ARG44266 anti-HNF4A antibody at 10µg/ml dilution.