

ARG42974
anti-NFIC antibodyPackage: 50 µg
Store at: -20°C**Summary**

Product Description	Rabbit Polyclonal antibody recognizes NFIC
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	NFIC
Species	Human
Immunogen	Recombinant protein corresponding to D215-G508 of Human NFIC.
Conjugation	Un-conjugated
Alternate Names	Nuclear factor 1 C-type; CTF5; CCAAT-box-binding transcription factor; TGGCA-binding protein; Nuclear factor 1/C; NFI; NF1-C; CTF; NF-I/C; NF-I; NFI-C; Nuclear factor I/C

Application Instructions

Application table	Application	Dilution
	FACS	1:150 - 1:500
	IHC-P	1:200 - 1:1000
	WB	1:500 - 1:2000
Application Note	IHC-P: Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	56, 65 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl, 0.05% Sodium azide and 4% Trehalose.
Preservative	0.05% Sodium azide
Stabilizer	4% Trehalose
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.

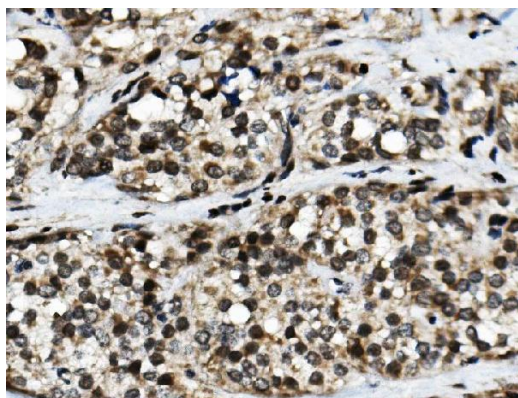
Note

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

Bioinformation

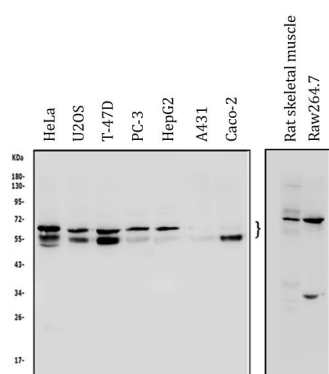
Gene Symbol	NFIC
Gene Full Name	nuclear factor I/C (CCAAT-binding transcription factor)
Background	The protein encoded by this gene belongs to the CTF/NF-I family. These are dimeric DNA-binding proteins, and function as cellular transcription factors and as replication factors for adenovirus DNA replication. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
Function	Recognizes and binds the palindromic sequence 5'-TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication. [UniProt]
Calculated Mw	56 kDa
Cellular Localization	Nucleus. [UniProt]

Images



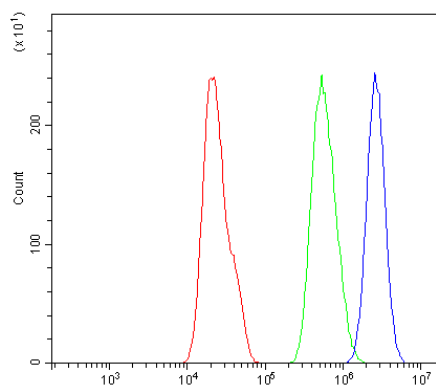
ARG42974 anti-NFIC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreatic cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42974 anti-NFIC antibody at 1 µg/ml dilution, overnight at 4°C.



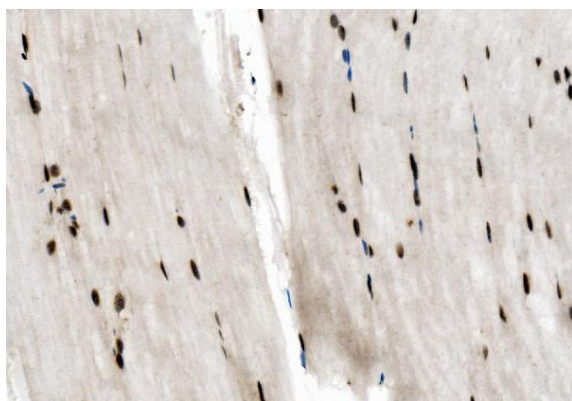
ARG42974 anti-NFIC antibody WB image

Western blot: 50 µg of sample under reducing conditions. HeLa, U2OS, T-47D, PC-3, HepG2, A431, Caco-2, Rat skeletal muscle and Raw264.7 whole cell lysates stained with ARG42974 anti-NFIC antibody at 0.5 µg/ml dilution, overnight at 4°C.



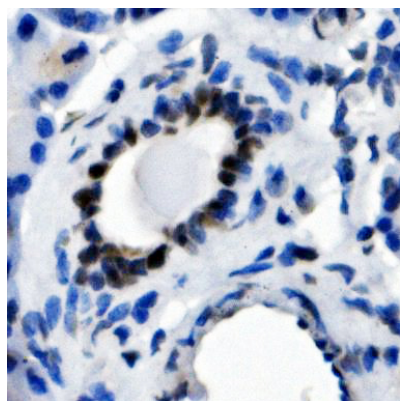
ARG42974 anti-NFIC antibody FACS image

Flow Cytometry: A549 cells were blocked with 10% normal goat serum and then stained with ARG42974 anti-NFIC antibody (blue) at 1 µg/10⁶ cells for 30 min at 20°C, followed by incubation with DyLight®488 labelled secondary antibody. Isotype control antibody (green) was Rabbit IgG (1 µg/10⁶ cells) used under the same conditions. Unlabelled sample (red) was also used as a control.



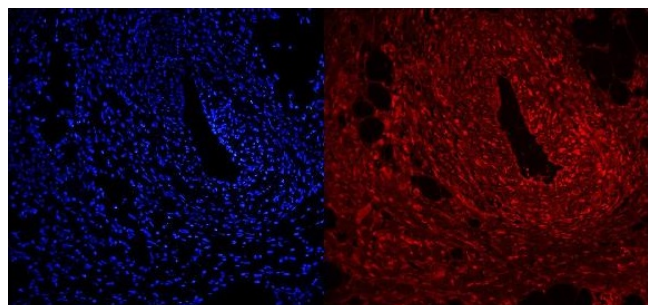
ARG42974 anti-NFIC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse skeletal muscle tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42974 anti-NFIC antibody at 1 µg/ml dilution, overnight at 4°C.



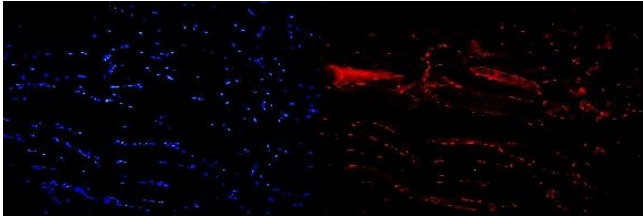
ARG42974 anti-NFIC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Rat pancreas muscle tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42974 anti-NFIC antibody at 1 µg/ml dilution, overnight at 4°C.



ARG42974 anti-NFIC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human intestinal cancer tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42974 anti-NFIC antibody at 2 µg/ml dilution, overnight at 4°C.



ARG42974 anti-NFIC antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse skeletal muscle tissue. Antigen Retrieval: Heat mediation was performed in EDTA buffer (pH 8.0). The tissue section was blocked with 10% goat serum. The tissue section was then stained with ARG42974 anti-NFIC antibody at 2 µg/ml dilution, overnight at 4°C.