

NFI-C Antibody

Orders: 877-616-CELL (2355)
orders@cellsignal.com

Support: 877-678-TECH (8324)

Web: info@cellsignal.com
cellsignal.com

3 Trask Lane | Danvers | Massachusetts | 01923 | USA

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Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W, IP	H M R Mk	Endogenous	55-65	Rabbit	#P08651	4782

Product Usage Information**Application**

Western Blotting
Immunoprecipitation

Dilution

1:1000
1:50

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

NFI-C Antibody recognizes endogenous levels of total NFI-C protein. This antibody also recognizes overexpressed NFI-B protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues surrounding Ala263 of human NFI-C protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

NFI-C belongs to the nuclear factor I (NFI) family of site-specific transcription factors that regulate viral DNA replication and expression of various genes (1,2). The NFI family is composed of four members in vertebrates: NFI-A, NFI-B, NFI-C, and NFI-X, all of which are critical in the development of multiple organ systems in mice and humans (3). NFI-C is expressed in various tissues and regulates TGF-β dependent tooth development and hair follicle cycling (3-5). Research studies have shown that NFI-C directly represses FoxF1 transcription and suppresses the motility and invasiveness of breast cancer cells (6).

Background References

1. Gronostajski, R.M. (2000) *Gene* 249, 31-45.
2. Liang, B. et al. (2012) *J Virol* 86, 3264-75.
3. Steele-Perkins, G. et al. (2003) *Mol Cell Biol* 23, 1075-84.
4. Lee, D.S. et al. (2009) *J Biol Chem* 284, 17293-303.
5. Plasari, G. et al. (2010) *J Biol Chem* 285, 34115-25.
6. Nilsson, J. et al. (2010) *Cancer Res* 70, 2020-9.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v nonfat dry milk, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting **IP:** Immunoprecipitation

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat **Mk:** Monkey

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