10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-NFIA Antibody

Catalog # AP53796

Product Information

Application	WB, IHC, IF/IC
Primary Accession	Q12857
Other Accession	O00712, P08651, Q14938
Reactivity	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	55944

Additional Information

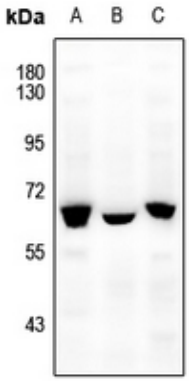
Gene ID	4774
Other Names	NFIA; KIAA1439; Nuclear factor 1 A-type; NF1-A; Nuclear factor 1/A; CCAAT-box-binding transcription factor; CTF; Nuclear factor I/A; NF-I/A; NFI-A; TGGCA-binding protein; NFIB; Nuclear factor 1 B-type; NF1-B; Nuclear factor 1/B; CCAAT-box-binding transcription factor; CTF; Nuclear factor I/B; NF-I/B; NFI-B; TGGCA-binding protein; NFIC; NFI; Nuclear factor 1 C-type; NF1-C; Nuclear factor 1/C; CCAAT-box-binding transcription factor; CTF; Nuclear factor I/C; NF-I/C; NFI-C; TGGCA-binding protein; NFIX; Nuclear factor 1 X-type; NF1-X; Nuclear factor 1/X; CCAAT-box-binding transcription factor; CTF; Nuclear factor I/X; NF-I/X; NFI-X; TGGCA-binding protein
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NFIA. The exact sequence is proprietary.
Dilution	WB~~1/500 - 1/1000 IHC~~1/50 - 1/200 IF/IC~~N/A
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

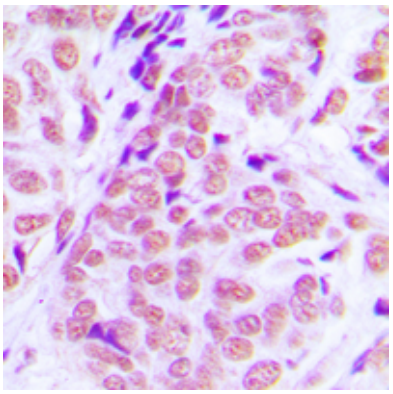
Name	NFIA
Synonyms	KIAA1439
Function	Recognizes and binds the palindromic sequence 5'- TTGGCNNNNNGCCAA-3' present in viral and cellular promoters and in the origin of replication of adenovirus type 2. These proteins are individually capable of activating transcription and replication.

Cellular Location Nucleus.

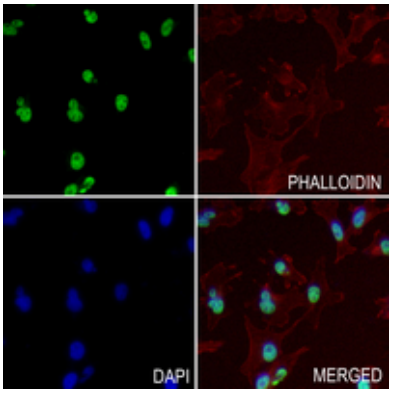
Images



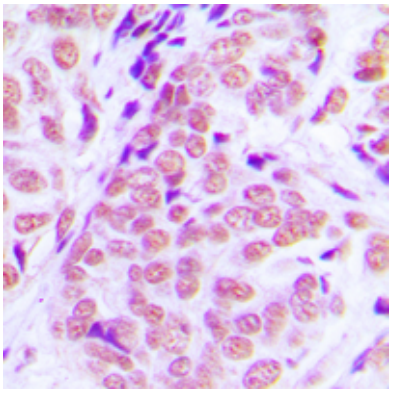
Western blot analysis of NFIA expression in LO2 (A), C6 (B), A2780 (C) whole cell lysates. (Predicted band size: 55; 47 kD; Observed band size: 65 kD)



Immunohistochemical analysis of NFIA staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of NFIA staining in MDAMB231 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a hidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AF594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Immunohistochemical analysis of NFIA staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.