

Product Datasheet

ATF4 Antibody (9E1) - BSA Free

NBP3-26497-100ul

Unit Size: 100 ul

Store at -20 to -70C. Avoid freeze-thaw cycles.

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NBP3-26497-100ul

ATF4 Antibody (9E1) - BSA Free

Product Information

Unit Size	100 ul
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at -20 to -70C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	9E1
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS, pH 7.4, 150mM NaCl, and 50% glycerol

Product Description

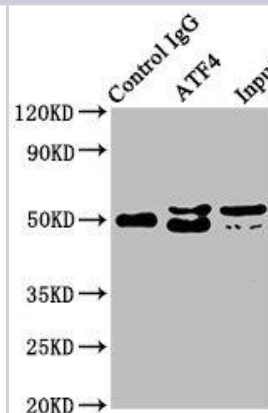
Host	Rabbit
Gene ID	468
Gene Symbol	ATF4
Species	Human
Immunogen	A synthesized peptide derived from Human ATF4 [UniProt P18848]

Product Application Details

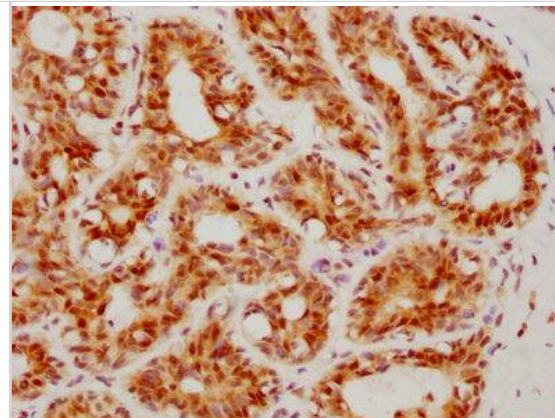
Applications	Western Blot, ELISA, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500-1:5000, Flow Cytometry, ELISA, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence 1:20-1:200, Immunoprecipitation 1:200-1:1000

Images

Immunoprecipitation: ATF4 Antibody (9E1) [NBP3-26497] - Immunoprecipitating ATF4 in Hela whole cell lysate.
 Lane 1: Rabbit control IgG instead of NBP3-26497 in Hela whole cell lysate. For western blotting, a HRP-conjugated Protein G antibody was used as the secondary antibody (1/2000).
 Lane 2: NBP3-26497 (3ug) + Hela whole cell lysate (500ug).
 Lane 3: Hela whole cell lysate (20ug).



Immunohistochemistry: ATF4 Antibody (9E1) [NBP3-26497] - Image of ATF4 Antibody (9E1) diluted at 1:160 and staining in paraffin-embedded human breast cancer performed. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



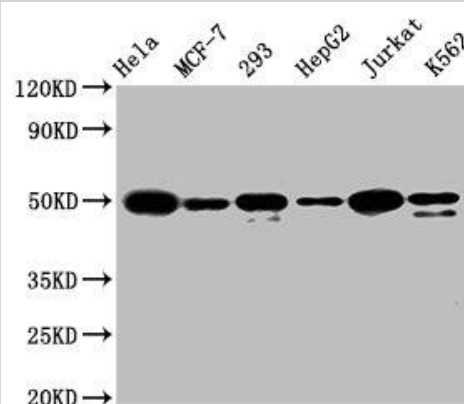
Western Blot: ATF4 Antibody (9E1) [NBP3-26497] - Positive Western Blot detected in: Hela whole cell lysate, MCF-7 whole cell lysate, 293 whole cell lysate, HepG2 whole cell lysate, Jurkat whole cell lysate, K562 whole cell lysate.

All lanes: ATF4 Antibody at 1.6ug/ml.

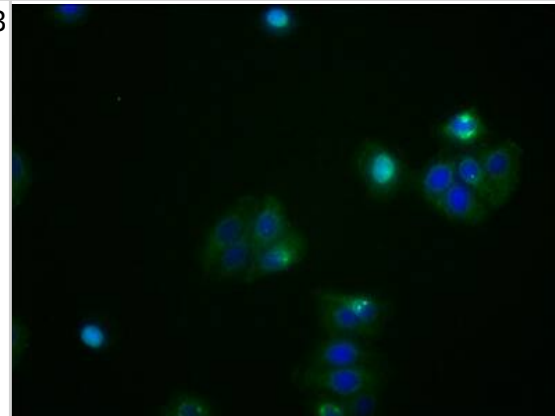
Secondary: Goat polyclonal to rabbit IgG at 1/50000 dilution.

Predicted band size: 39 KDa

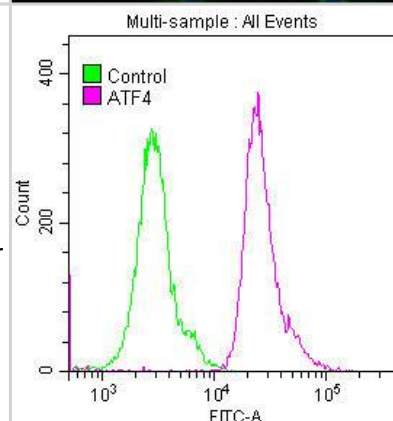
Observed band size: 50 KDa



Immunocytochemistry/Immunofluorescence: ATF4 Antibody (9E1) [NBP3-26497] - Staining of HepG2 cells with ATF4 Antibody (9E1) at 1:53, counter-stained with DAPI. The cells were fixed in 4% formaldehyde, permeabilized using 0.2% Triton X-100 and blocked in 10% normal Goat Serum. The cells were then incubated with the antibody overnight at 4C. The secondary antibody was Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG (H+L).



Flow Cytometry: ATF4 Antibody (9E1) [NBP3-26497] - Overlay histogram showing HeLa cells stained with ATF4 Antibody (9E1) (red line) at 1:50. The cells were fixed with 70% Ethylalcohol (18h) and then permeabilized with 0.3% Triton X-100 for 2 min. The cells were then incubated in 1x PBS /10% normal goat serum to block non-specific protein-protein interactions followed by primary antibody for 1 h at 4C. The secondary antibody used was FITC goat anti-rabbit IgG (H+L) at 1/200 dilution for 1 h at 4C. Control antibody (green line) was used under the same conditions. Acquisition of >10,000 events was performed.





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP3-26497-100ul

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NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-72383-50ug	Recombinant Human ATF4 His-Cam Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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