

Product Datasheet

ATF3 Antibody (CL1685) - BSA Free NBP2-34489

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-34489

ATF3 Antibody (CL1685) - BSA Free

Product Information

Unit Size	0.1 ml
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	CL1685
Preservative	0.02% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	PBS (pH 7.2) and 40% Glycerol

Product Description

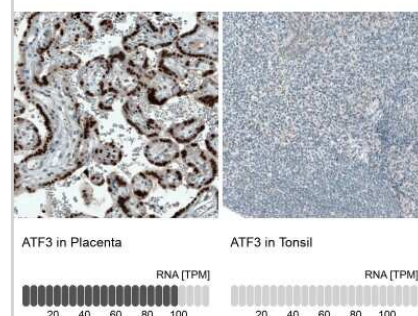
Host	Mouse
Gene ID	467
Gene Symbol	ATF3
Species	Human
Reactivity Notes	Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Mouse-On-Mouse blocking reagent may be needed for IHC and ICC experiments to reduce high background signal. You can find these reagents under catalog numbers PK-2200-NB and MP-2400-NB. Please contact Technical Support if you have any questions.
Immunogen	This antibody was developed using a recombinant protein derived from P18847, with the exact immunogen sequence remaining proprietary.

Product Application Details

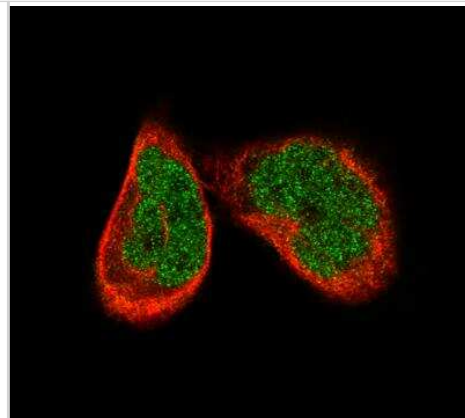
Applications	Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Immunohistochemistry 1:20 - 1:50, Immunocytochemistry/ Immunofluorescence 2-10 ug/ml, Immunohistochemistry-Paraffin 1:20 - 1:50
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended. ICC/IF Fixation/Permeabilization: PFA/Triton X-100.

Images

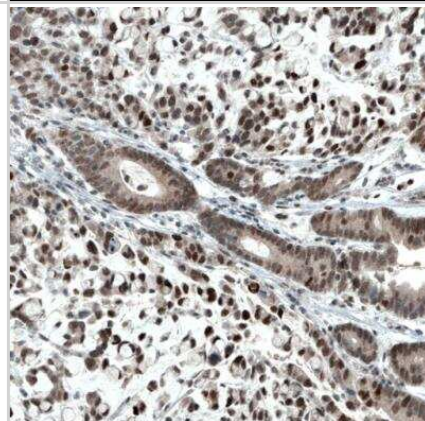
Immunohistochemistry-Paraffin: ATF3 Antibody (CL1685) [NBP2-34489]
 - Staining in human placenta and tonsil tissues. Corresponding ATF3 RNA-seq data are presented for the same tissues.



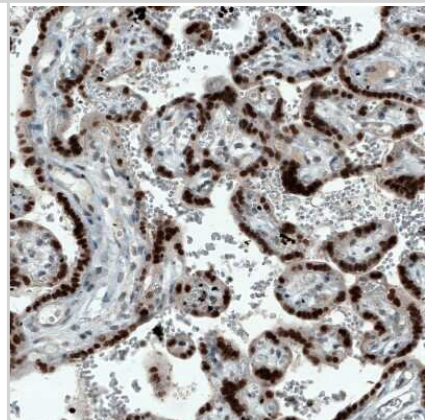
Immunocytochemistry/Immunofluorescence: ATF3 Antibody (CL1685) [NBP2-34489] - Staining of RH-30 cells using the Anti-ATF3 monoclonal antibody, showing specific staining in the nucleoplasm in green. Microtubule- and nuclear probes are visualized in red and blue, respectively (where available). Antibody staining is shown in green.



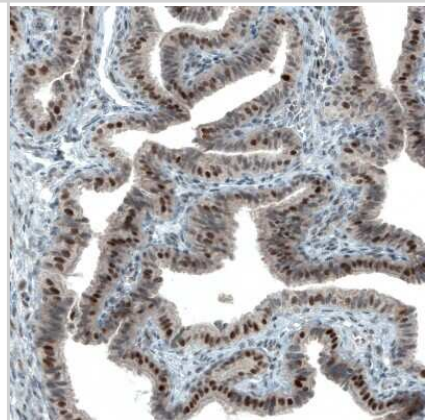
Immunohistochemistry-Paraffin: ATF3 Antibody (CL1685) [NBP2-34489] - Staining of human stomach cancer shows moderate to strong nuclear positivity in tumor cells.



Immunohistochemistry-Paraffin: ATF3 Antibody (CL1685) [NBP2-34489] - Staining of human placenta shows strong nuclear positivity in trophoblastic cells.



Immunohistochemistry-Paraffin: ATF3 Antibody (CL1685) [NBP2-34489] - Staining of human fallopian tube shows moderate to strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: ATF3 Antibody (CL1685) [NBP2-34489]
 - Staining of human tonsil shows no positivity in lymphoid cells as expected.



Publications

Travis M. Rotterman, Zoë Haley-Johnson, Tana S. Pottorf, Tavishi Chopra, Ethan Chang, Shannon Zhang, William M. McCallum, Sarah Fisher, Haley Franklin, Myriam Alvarez, Timothy C. Cope, Francisco J. Alvarez Modulation of central synapse remodeling after remote peripheral injuries by the CCL2-CCR2 axis and microglia Cell reports 2024-03-08 [PMID: 38367237]

Calvo PM, de la Cruz RR, Pastor AM, Alvarez FJ Preservation of KCC2 expression in axotomized abducens motoneurons and its enhancement by VEGF Brain structure & function 2023-05-01 [PMID: 37005931]
 (Immunohistochemistry Free-Floating, Feline, Rat)

Rotterman T, Haley-Johnson Z, Chopra T et al. Modulation of Central Synapse Remodelling after Remote Peripheral Injuries by the Ccl2-Ccr2 Axis and Microglia Available at SSRN 2023-05-24



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Products Related to NBP2-34489

NBP2-34489PEP	ATF3 Recombinant Protein Antigen
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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