

Product Datasheet

ER alpha/NR3A1 Antibody - BSA Free NBP1-84826

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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Publications: 1

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NBP1-84826

ER alpha/NR3A1 Antibody - 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	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Affinity purified
Buffer	PBS (pH 7.2) and 40% Glycerol

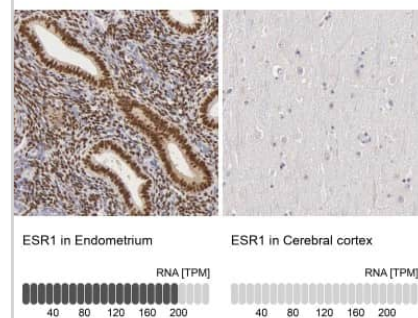
Product Description	
Description	Novus Biologicals Rabbit ER alpha/NR3A1 Antibody - BSA Free (NBP1-84826) is a polyclonal antibody validated for use in IHC and WB. Anti-ER alpha/NR3A1 Antibody: Cited in 1 publication. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	2099
Gene Symbol	ESR1
Species	Human
Reactivity Notes	Immunogen displays the following percentage of sequence identity for non-tested species: Mouse (89%), Rat (89%). Reactivity reported in scientific literature (PMID: 24403002)
Immunogen	This antibody was developed against Recombinant Protein corresponding to amino acids: LQGEEFVCLKSIILLNSGVYTFLSSTLKSLEEKDHIHRVLDKITDTLIHLMAKAGLT LQQQHQRLLAQLLLILSHIRHMSNKGMEHLYSMKCKNVVPLYDLLLEMLDAHRL HAPTSRGGASVEETDQSHLATAGSTSSHSLQKYYIT

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Chromatin Immunoprecipitation-exo-Seq
Recommended Dilutions	Western Blot 0.04-0.4 ug/ml, Immunohistochemistry 1:500 - 1:1000, Immunohistochemistry-Paraffin 1:500 - 1:1000, Chromatin Immunoprecipitation-exo-Seq 1-10ug per reaction
Application Notes	For IHC-Paraffin, HIER pH 6 retrieval is recommended.

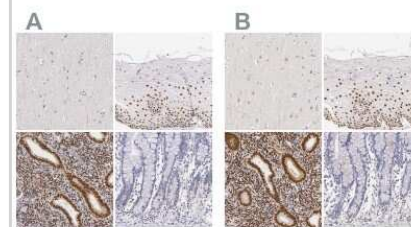


Images

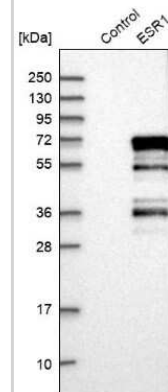
Immunohistochemistry-Paraffin: ER alpha/NR3A1 Antibody [NBP1-84826] - Analysis in human endometrium and cerebral cortex tissues. Corresponding ER alpha/NR3A1 RNA-seq data are presented for the same tissues.



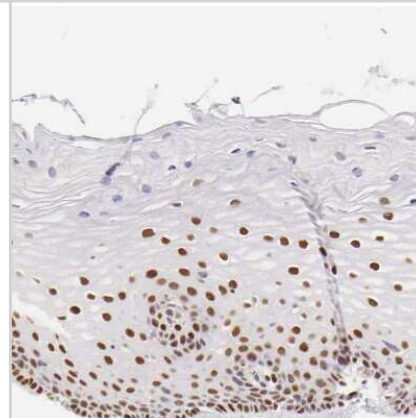
Immunohistochemistry-Paraffin: ER alpha/NR3A1 Antibody [NBP1-84826] - Staining of human cerebral cortex, cervix, uterine, endometrium and gastrointestinal using Anti-ER alpha/NR3A1 antibody NBP1-84826 (A) shows similar protein distribution across tissues to independent antibody NBP1-84827 (B).



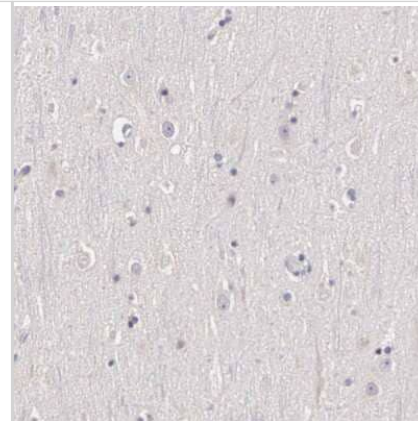
Western Blot: ER alpha/NR3A1 Antibody [NBP1-84826] - Analysis in control (vector only transfected HEK293T lysate) and ESR1 over-expression lysate (Co-expressed with a C-terminal myc-DDK tag (3.1 kDa) in mammalian HEK293T cells).



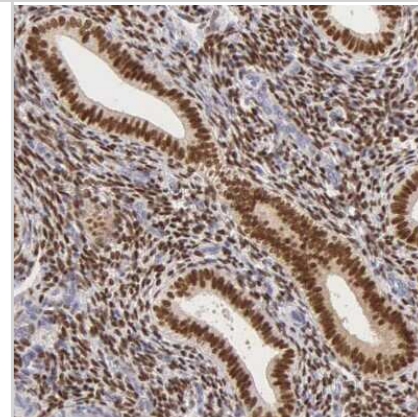
Immunohistochemistry-Paraffin: ER alpha/NR3A1 Antibody [NBP1-84826] - Staining of human uterine cervix shows strong nuclear positivity in squamous epithelial cells.



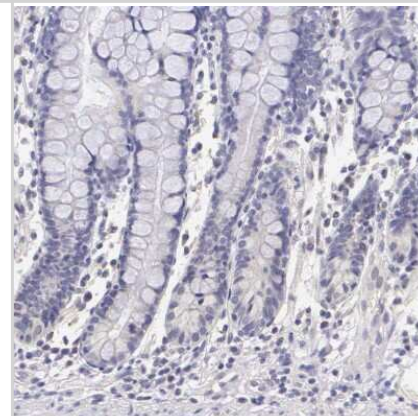
Immunohistochemistry-Paraffin: ER alpha/NR3A1 Antibody [NBP1-84826] - Staining of human cerebral cortex shows no positivity in neurons as expected.



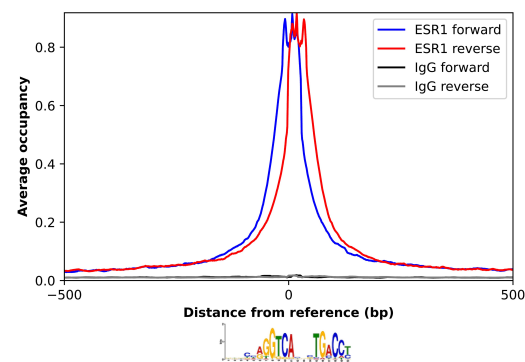
Immunohistochemistry-Paraffin: ER alpha/NR3A1 Antibody [NBP1-84826] - Staining of human endometrium shows strong nuclear positivity in glandular cells.



Immunohistochemistry-Paraffin: ER alpha/NR3A1 Antibody [NBP1-84826] - Staining of human small intestine shows no positivity in glandular cells as expected.



ChIP-Exo-Seq composite graph for Anti-ESR1 (NBP1-84826) tested in MCF7 cells. Strand-specific reads (blue: forward, red: reverse) and IgG controls (black: forward, grey: reverse) are plotted against the distance from a composite set of reference binding sites. The antibody exhibits robust target enrichment compared to a non-specific IgG control and precisely reveals its structural organization around the binding site. Data generated by Prof. B. F. Pugh's Lab at Cornell University.



Publications

Algenas C, Agaton C, Fagerberg L et al. Antibody performance in western blot applications is context-dependent. *Biotechnol J* 2014-03-01 [PMID: 24403002]



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Products Related to NBP1-84826

NBP1-84826PEP	ER alpha/NR3A1 Recombinant Protein Antigen
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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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