

# Product Datasheet

## E2F-4 Antibody - BSA Free

### NBP1-21374

Unit Size: 100 ul

Store at 4C. Do not freeze.

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**NBP1-21374**

E2F-4 Antibody - BSA Free

Product Information	
Unit Size	100 ul
Concentration	1.0 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris-Citrate/Phosphate (pH 7.0 - 8.0)

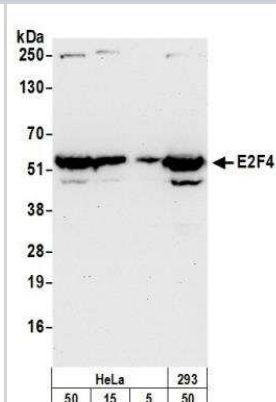
Product Description	
Host	Rabbit
Gene ID	1874
Gene Symbol	E2F4
Species	Human
Immunogen	The immunogen recognized by this antibody maps to a region between residue 363 and 413 of human E2F transcription factor 4 using the numbering given in entry NP_001941.2 (GenelD 1874).

Product Application Details	
Applications	Western Blot, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Knockdown Validated
Recommended Dilutions	Western Blot 1:2000-1:10000, Immunohistochemistry 1:500 - 1:2000, Immunoprecipitation 2-10 ug/mg lysate, Immunohistochemistry-Paraffin 1:500 - 1:2000, Knockdown Validated
Application Notes	Epitope retrieval with citrate buffer pH6.0 is recommended for FFPE tissue sections.

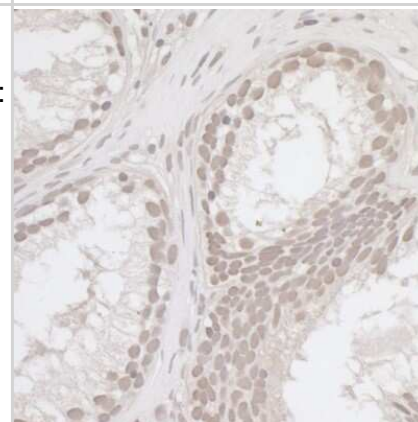


## Images

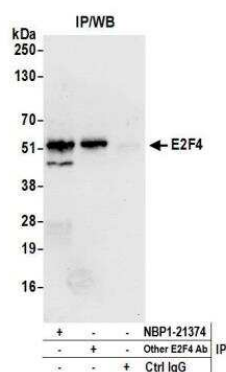
**Western Blot: E2F-4 Antibody [NBP1-21374] - Detection of Human E2F4 by Western Blot.** Samples: Whole cell lysate from HeLa (5, 15, 50 ug) and 293T (50ug) cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-E2F4 antibody NBP1-21374 used for WB at 0.1 ug/ml. Detection: Chemiluminescence with an exposure time of 30 seconds.



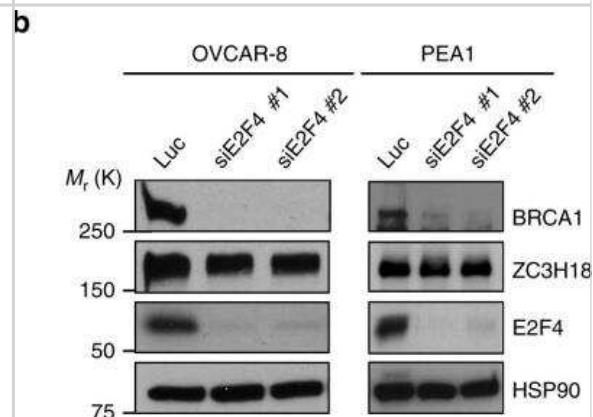
**Immunohistochemistry-Paraffin: E2F-4 Antibody [NBP1-21374] - Sample: FFPE section of human prostate carcinoma. Antibody: Affinity purified rabbit anti-E2F4 used at a dilution of 1:1,000 (1ug/ml). Detection: DAB**



**Immunoprecipitation: E2F-4 Antibody [NBP1-21374] - Detection of human E2F4 by western blot of immunoprecipitates.** Samples: Whole cell lysate (0.5 or 1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-E2F4 antibody NBP1-21374 used for IP at 6 ug per reaction. E2F4 was also immunoprecipitated by another rabbit anti-E2F4 antibody. For blotting immunoprecipitated E2F4, NBP1-21374 was used at 1 ug/ml. Detection: Chemiluminescence with an exposure time of 10 seconds.



**Western Blot: E2F-4 Antibody [NBP1-21374] - Immunoblots of indicated proteins in OVCAR-8 and PEA1 cells transfected with control luciferase (Luc) and two independent E2F-4 siRNAs.** Image collected and cropped by CiteAb from the following publication (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6789141/>) licensed under a CC-BY license.



## Publications

BC Fong, I Chakroun, MA Iqbal, S Paul, J Bastasic, D O'Neil, E Yakubovich, AT Bejjani, N Ahmadi, A Carter, A Clark, G Leone, DS Park, N Ghanem, R Vandebosc, RS Slack The Rb/E2F axis is a key regulator of the molecular signatures instructing the quiescent and activated adult neural stem cell state *Cell Reports*, 2022-11-01;41(5):111578. 2022-11-01 [PMID: 36323247]

Kanakkanthara A, Huntoon CJ, Hou X et al. ZC3H18 specifically binds and activates the BRCA1 promoter to facilitate homologous recombination in ovarian cancer *Nat Commun* 2019-10-11 [PMID: 31604914] (WB, Human)

Morillo SM, Abanto EP, Roman MJ et al. Nerve growth factor-induced cell cycle reentry in newborn neurons is triggered by p38MAPK-dependent E2F4 phosphorylation. *Mol Cell Biol* 2012-07-01 [PMID: 22586272]





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### **Products Related to NBP1-21374**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00001874-P01-10ug	Recombinant Human E2F-4 GST (N-Term) Protein

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### **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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