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Anti-E2F4 Antibody

Catalog # AP51173

Product Information

Application	WB, IHC
Primary Accession	Q16254
Other Accession	Q15329
Reactivity	Human, Mouse, Rat, Chicken
Host	Rabbit
Clonality	Polyclonal
Calculated MW	43960

Additional Information

Gene ID	1874
Other Names	E2F4; Transcription factor E2F4; E2F-4; E2F5; Transcription factor E2F5; E2F-5
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human E2F4. The exact sequence is proprietary.
Dilution	WB~~WB (1/500 - 1/1000) IHC~~1:100~500
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

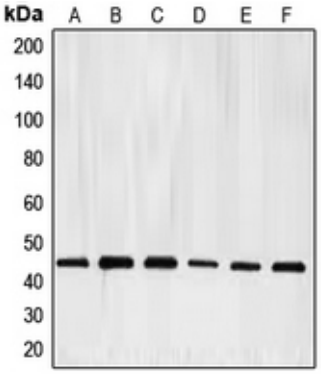
Protein Information

Name	E2F4
Function	Transcription activator that binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from G1 to S phase. E2F4 binds with high affinity to RBL1 and RBL2. In some instances can also bind RB1. Specifically required for multiciliate cell differentiation: together with MCIDAS and E2F5, binds and activate genes required for centriole biogenesis.
Cellular Location	Nucleus.
Tissue Location	Found in all tissue examined including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas

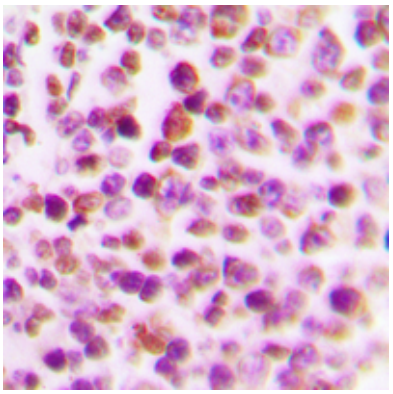
References

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Sardet C.,et al.Proc. Natl. Acad. Sci. U.S.A. 92:2403-2407(1995).
Schwemmle S.,et al.Int. J. Cancer 86:672-677(2000).
Goshima N.,et al.Nat. Methods 5:1011-1017(2008).

Images



Western blot analysis of E2F4 expression in HeLa (A), K562 (B), Jurkat (C), Raji (D), A431 (E), mouse kidney (F) whole cell lysates. (Predicted band size: 43; 37 kD; Observed band size: 44 kD)



Immunohistochemical analysis of E2F4 staining in human tonsil 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'.