



E2F-4/5 rabbit pAb

Cat No.:ES2213

For research use only

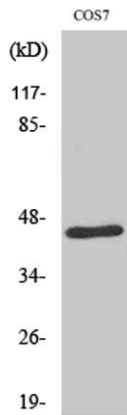
Overview

Product Name	E2F-4/5 rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species Cross-Reactivity	Human;Mouse;Rat;Monkey
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human E2F4. AA range:51-100
Specificity	E2F-4/5 Polyclonal Antibody detects endogenous levels of E2F-4/5 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Transcription factor E2F4/5
Gene Name	E2F4/E2F5
Cellular localization	Nucleus.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	44kD
Human Gene ID	1874/1875
Human Swiss-Prot Number	Q16254/Q15329
Alternative Names	E2F4; Transcription factor E2F4; E2F-4; E2F5; Transcription factor E2F5; E2F-5
Background	The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several



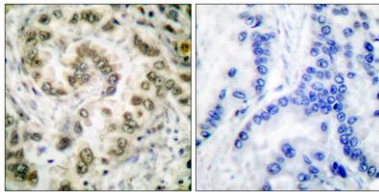


evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. It plays an important role in the suppression of proliferation-associated ge



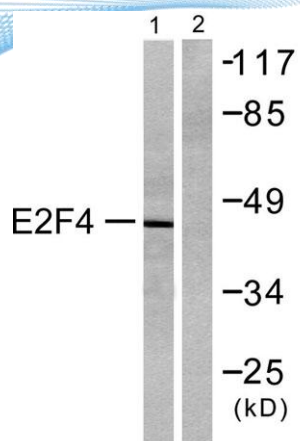
Western Blot analysis of various cells using E2F-4/5 Polyclonal Antibody cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Inventbiotech, MN, USA).

Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using E2F4 Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from COS7 cells, using E2F4 Antibody. The lane on the right is blocked with the synthesized peptide.



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