



E2F-2 (Acetyl Lys122) rabbit pAb

Catalog No	BYab-00880
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB; ELISA
Gene Name	E2F2
Protein Name	E2F-2 (Acetyl Lys122)
Immunogen	Synthesized peptide derived from human E2F-2 (Acetyl Lys122)
Specificity	This antibody detects endogenous levels of Human,Mouse E2F-2 (Acetyl Lys122)
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:1000-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Transcription factor E2F2 (E2F-2)
Observed Band	48kD
Cell Pathway	Nucleus.
Tissue Specificity	Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.
Function	transcription, transcription, DNA-dependent, transcription initiation, regulation of transcription, DNA-dependent,transcription from RNA polymerase II promoter, transcription initiation from RNA polymerase II promoter, protein complex assembly, apoptosis, cell cycle, cell death, programmed cell death, death, RNA biosynthetic process,macromolecular complex subunit organization, regulation of transcription, regulation of RNA metabolic process,regulation of cell cycle, macromolecular complex assembly, protein complex biogenesis,
Background	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

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DNA replication. The DRTF1/E2F complex functions in the control of cell-cycle progression from g1 to s phase. E2F-2 binds specifically to RB1 protein, in a cell-cycle dependent manner.,PTM:Phosphorylated by CDK2 and cyclin A-CDK2 in the S-phase.,similarity:Belongs to the E2F/DP family.,subunit:Component of the DRTF1/E2F transcription factor complex. Forms heterodimers with DP family members. The E2F-2 complex binds specifically hypophosphorylated retinoblastoma protein RB1. During the cell cycle, RB1 becomes phosphorylated in mid-to-late G1 phase, detaches from the DRTF1/E2F complex, rendering E2F transcriptionally active. Viral oncoproteins, notably E1A, T-antigen and HPV E7, are capable of sequestering RB protein, thus releasing the active complex. Binds EAPP.,tissue specificity:Highest level of expression is found in placenta, low levels are found in lung. Found as well in many immortalized cell lines derived from tumor samples.,

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images