



# E2F-3 (Acetyl Lys168) Polyclonal Antibody

<b>Catalog No</b>	BYab-04407
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human:K168;Mouse:K160;Rat:K161
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	E2F3 KIAA0075
<b>Protein Name</b>	E2F transcription factor 3
<b>Immunogen</b>	Synthesized acetyl-peptide from human protein at AA range: 130-200
<b>Specificity</b>	This antibody detects endogenous levels of E2F-3 at Human:K168;Mouse:K160;Rat:K161, It doesn't react with total protein.
<b>Formulation</b>	PBS, pH 7.4, containing 0.02% sodium azide as Preservative and 50% Glycerol.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
<b>Dilution</b>	WB: 1:500-10000 ELISA: 1:10000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	E2F3 KIAA0075
<b>Observed Band</b>	50kD
<b>Cell Pathway</b>	Nucleus.
<b>Tissue Specificity</b>	Bone marrow,PCR rescued clones,Placenta,Pre-B cell,Rectum tumor,Uterus,
<b>Function</b>	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. E2F-3 binds specifically to RB1 protein, in a cell-cycle dependent manner.,similarity:Belongs to the E2F/DP family.,subunit:Component of the DRTF1/E2F transcription factor complex. Binds cooperatively with DP-1 to E2F sites. Interacts with retinoblastoma protein RB1 and related proteins (such as RBL1) that inhibit the E2F transactivation domain. Binds EAPP.,

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**Background**

This gene encodes a member of a small family of transcription factors that function through binding of DP interaction partner proteins. The encoded protein recognizes a specific sequence motif in DNA and interacts directly with the retinoblastoma protein (pRB) to regulate the expression of genes involved in the cell cycle. Altered copy number and activity of this gene have been observed in a number of human cancers. There are pseudogenes for this gene on chromosomes 2 and 17. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2013],

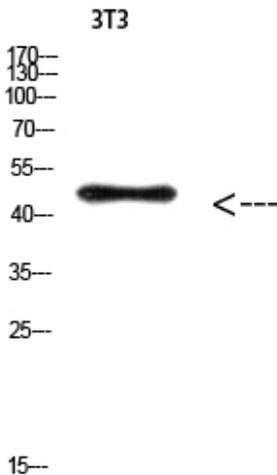
**matters needing attention**

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**



Western Blot analysis of 3T3 cells using Antibody diluted at 500. Secondary antibody(catalog#:RS0002) was diluted at 1:20000