



# Anti-E2F3 (aa 406-455) polyclonal antibody (CPBT-33497RH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human E2F3.
<b>Antigen Description</b>	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 and another 2 members, E2F1 and E2F2, have an additional cyclin binding domain. This protein binds specifically to retinoblastoma protein pRB in a cell-cycle dependent manner. Two transcript variants encoding different isoforms have been found for this gene.
<b>Immunogen</b>	A region within synthetic peptide: LLQQTEDQIP SNLEGPVFVNL LPPLLQEDYL LSLGEEEGIS DLFDAYDLEK, corresponding to amino acids 406-455 of Human E2F3
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, IHC-P, WB, ELISA
<b>Sequence Similarities</b>	Belongs to the E2F/DP family.

<b>Cellular Localization</b>	Nucleus.
<b>Format</b>	Liquid
<b>Size</b>	50 µg
<b>Buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Preservative</b>	None
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">E2F3 E2F transcription factor 3 [ Homo sapiens ]</a>
<b>Official Symbol</b>	E2F3
<b>Synonyms</b>	E2F3; E2F transcription factor 3; transcription factor E2F3; DKFZp686C18211; E2F 3; E2F transcription factor 3; E2F-3; E2F3; E2F3_HUMAN; KIAA0075; MGC104598; Transcription factor E2F 3; Transcription factor E2F3; OTTHUMP00000018012; E2F-3;
<b>Entrez Gene ID</b>	<a href="#">1871</a>
<b>Protein Refseq</b>	<a href="#">NP_001940</a>
<b>UniProt ID</b>	<a href="#">O00716</a>
<b>Chromosome Location</b>	6p22
<b>Pathway</b>	Assembly of the pre-replicative complex, organism-specific biosystem; Association of licensing factors with the pre-replicative complex, organism-specific biosystem; Bladder cancer, organism-specific biosystem; Bladder cancer, conserved biosystem; CDC6 association with the ORC:origin complex, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem; Chronic myel
<b>Function</b>	DNA binding; core promoter binding; cyclin-dependent protein kinase activity; protein binding; sequence-specific DNA binding transcription factor activity;