

## Product datasheet

# Anti-E2F4 antibody [4E2F04] (Biotin) ab79476

### Overview

<b>Product name</b>	Anti-E2F4 antibody [4E2F04] (Biotin)
<b>Description</b>	Mouse monoclonal [4E2F04] to E2F4 (Biotin)
<b>Host species</b>	Mouse
<b>Conjugation</b>	Biotin
<b>Tested applications</b>	<b>Suitable for:</b> WB, IHC-P, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Human
<b>Immunogen</b>	Recombinant full length E2F4 protein (Human)
<b>Positive control</b>	Raji cells. Tonsil.

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.09% Sodium Azide Constituents: 0.2% BSA, 10mM PBS, pH 7.4
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	4E2F04
<b>Isotype</b>	IgG1

### Applications

Our [Abpromise guarantee](#) covers the use of **ab79476** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		
IHC-P		

Application	Abreviews	Notes
EMSA		
ICC/IF		

<b>Application notes</b>	<p>GSA: Use at an assay dependent dilution.</p> <p>ICC/IF: Use at an assay dependent dilution.</p> <p>IHC-P: Use at a concentration of 2 - 4 µg/ml for 30 min at RT. Staining of formalin-fixed tissues requires boiling tissue sections in 10mM citrate buffer, pH 6.0, for 10-20 min, followed by cooling at RT for 20 min.</p> <p>WB: Use at a concentration of 1 - 2 µg/ml. Predicted molecular weight: 44 kDa.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>
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<b>Target</b>	
<b>Function</b>	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-4 binds with high affinity to RBL1 and RBL2. In some instances, can also bind RB protein.
<b>Tissue specificity</b>	Found in all tissue examined including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
<b>Sequence similarities</b>	Belongs to the E2F/DP family.
<b>Developmental stage</b>	Present in the growth-arrested state, its abundance does not change significantly as cells move into and through the cell cycle.
<b>Post-translational modifications</b>	Differentially phosphorylated in vivo.
<b>Cellular localization</b>	Nucleus.

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