

Datasheet for ABIN7203460
anti-E2F1 antibody (AA 100-170)

3 Images

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Overview

Quantity:	100 µL
Target:	E2F1
Binding Specificity:	AA 100-170
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This E2F1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Purpose:	E2F-1 Polyclonal Antibody
Immunogen:	Synthetic peptide from human protein at AA range: 100-170
Isotype:	IgG
Specificity:	The antibody detects endogenous E2F-1 protein.
Purification:	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen

Target Details

Target:	E2F1
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Target Details

Alternative Name:	E2F-1 (E2F1 Products)
Background:	Rabbit Anti-E2F-1 Polyclonal Antibody,E2F1 RBBP3,The protein encoded by E2F1 (E2F transcription factor 1) 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, E2F2 and E2F3, have an additional cyclin binding domain. This protein binds preferentially to retinoblastoma protein pRB in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent/independent apoptosis.,E2F transcription factor 1
Gene ID:	1869
UniProt:	Q01094
Pathways:	p53 Signaling , Cell Division Cycle , Mitotic G1-G1/S Phases , DNA Replication , M Phase , Autophagy

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:500-1:2000), IF (1:50-1:200), IHC-P (1:50-1:300), ELISA (1:10000-1:20000). Not yet tested in other applications.
Restrictions:	For Research Use only

Handling

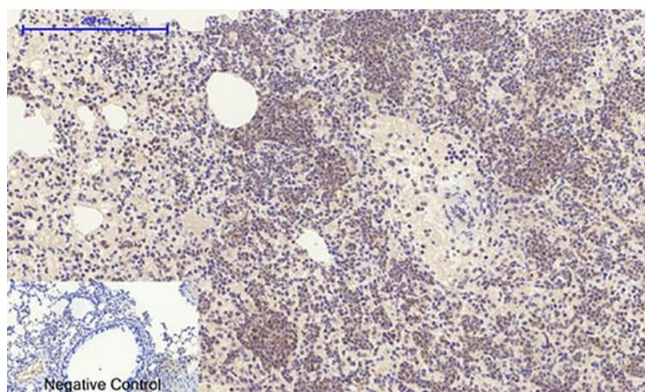
Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium Azide as preservative and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling

Storage: -20 °C

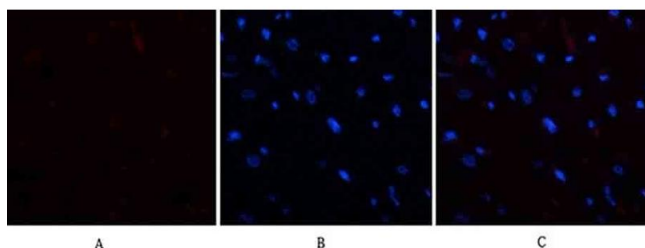
Storage Comment: Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

Images



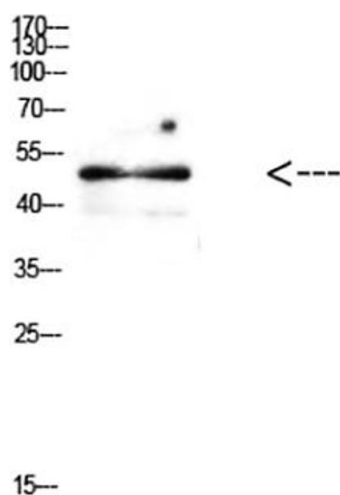
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded mouse lung tissue. 1, E2F-1 Polyclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.



Immunofluorescence

Image 2. Immunofluorescence analysis of rat heart tissue. 1, E2F-1 Polyclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Western Blotting

Image 3. Western Blot analysis of mouse brain cells using Antibody diluted at 1:500.