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Datasheet for 600-401-AY4

E2F3 Antibody

Overview

Description:	Anti-E2F3 (RABBIT) Antibody - 600-401-AY4
Item No.:	600-401-AY4
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	The E2F transcription factor 3 (E2F3) is a member of a small family of transcription factors that function through binding of DP interaction partner proteins. E2F3 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 (1). Like the related E2F1 and E2F2, E2F3 is essential for cellular proliferation and progression through the cell cycle (2). Altered copy number and activity of this gene have been observed in a number of human cancers (3).
Synonyms:	E2F transcription factor 3, E2F-3
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	E2F3
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-E2F3 antibody was prepared from whole rabbit serum produced by repeated immunizations with a 15 amino acid peptide near the internal region of human E2F3.

Purity/Specificity:	Anti-E2F3 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. E2F3 antibody is human and mouse reactive. At least three isoforms of E2F3 are known to exist; this antibody will detect only the largest isoform. This antibody is predicted to not cross-react with other members of the E2F transcription factor family.
Relevant Links:	• UniProtKB - O00716 • GeneID - 1871 • NCBI - NP_001940

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-E2F3 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 49 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

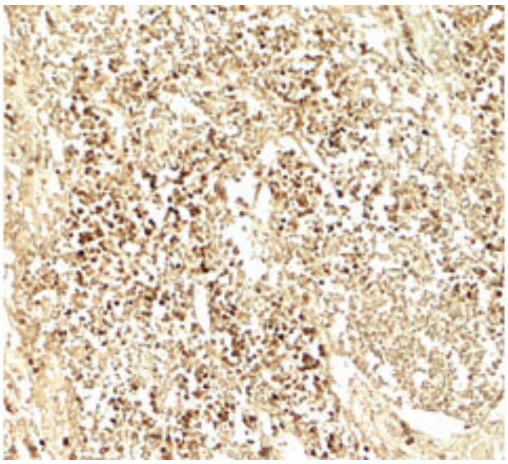
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

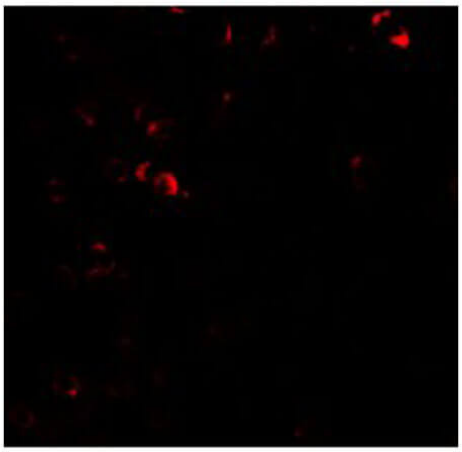
Shipping Condition:	Dry Ice

Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

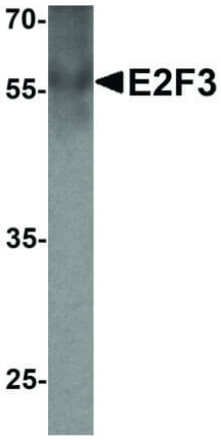
Images



Immunohistochemistry
Immunohistochemistry of Rabbit anti-E2F3 antibody. Tissue: human lymph node. Primary antibody: E2F3 antibody at 5 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:5,000. Localization: E2F3 is is nuclear and cytoplasmic. Staining: E2F3 as precipitated brown signal.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of Rabbit anti-E2F3 antibody. Tissue: human lymph node. Primary antibody: E2F3 antibody at 20 µg/mL. Secondary antibody: Fluorescein rabbit secondary antibody at 1:20,000. Localization: E2F3 is nuclear and cytoplasmic. Staining: E2F3 as red fluorescent signal.



Western Blot

Western Blot of Rabbit anti-E2F3 antibody. Lane A: human lymph node tissue lysate. Primary antibody: E2F3 antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 51 kDa, 56 kDa for E2F3.

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