

## Anti-E2F4 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

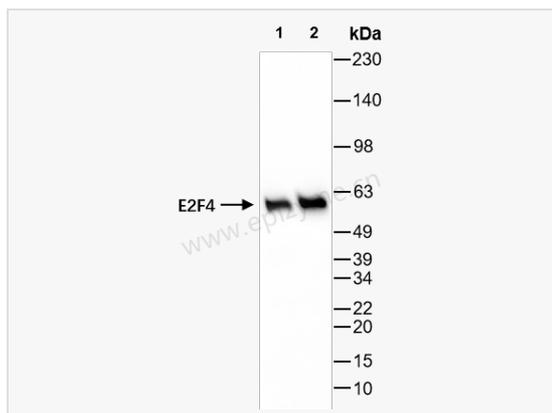
Catalog # R011651

### Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human
Dilution	WB 1:1,000~1:3,000; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	84M24L36
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human E2F4
Format	Affinity purified monoclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-E2F4 Rabbit mAb [84M24L36] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

Synonyms	Transcription factor E2F4; E2F-4; E2F4.
Calculated MW	Calculated MW: 44 kDa; Observed MW: 60 kDa
Uniprot ID	Q16254
Gene ID	1874
Background	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 binds to all three of the tumor suppressor proteins pRB, p107 and p130, but with higher affinity to the last two. It plays an important role in the suppression of proliferation-associated genes, and its gene mutation and increased expression may be associated with human cancer. [provided by RefSeq, Jul 2008]
Cellular Location	Nucleus.
Tissue Location	Found in all tissue examined including heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.



Western Blot - Anti-E2F4 Rabbit mAb [84M24L36]

All lanes: R011651 at 1:3,000 dilution

Lane 1: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 2: U87 (Human malignant glioblastoma epithelial cell) whole cell lysates

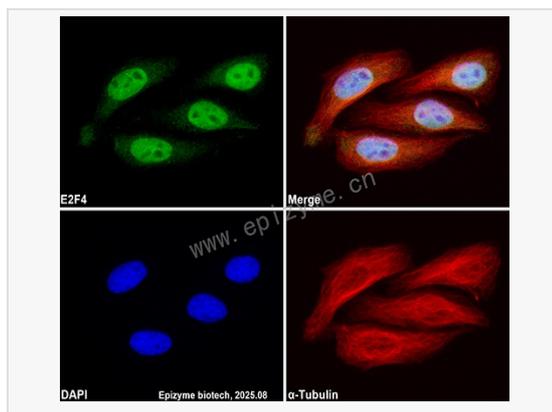
Lysates/proteins at 10  $\mu$ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 44 kDa

Observed band size: 60 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunofluorescence - Anti-E2F4 Rabbit mAb [84M24L36]

Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibodies: R011651 at 1:100 dilution and  $\alpha$ -tubulin Mouse Monoclonal Antibody (Cat. No. LF209) at 1:100 dilution

Secondary antibodies: Goat anti-Rabbit (488) at 1:1,000 dilution (shown in green) and Goat anti-Mouse (555) at 1:1,000 dilution (shown in red)

Nuclei were stained with DAPI (shown in blue).