Product Datasheet

E2F-1 Antibody

Catalog No: #21646

Package Size: #21646-1 50ul #21646-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

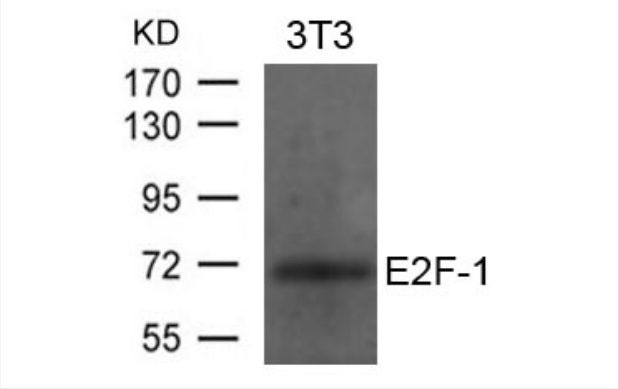
Product Name	E2F-1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total E2F-1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.430~434(G-D-L-T-P) derived from Human E2F-1
Target Name	E2F-1
Other Names	RBP3; E2F-1; RBAP1; RBBP3;
Accession No.	Swiss-Prot: Q01094NCBI Protein: NP_005216.1
Uniprot	Q01094
GeneID	1869;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

Application Details

Predicted MW: 70kd

Western blotting: 1:500~1:1000

Images



Western blot analysis of extracts from 3T3 cells using E2F-1 Antibody #21646.

Background

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-1 binds preferentially RB1 protein, in a cell-cycle dependent manner. It can mediate both cell proliferation and p53-dependent apoptosis. "P53 and E2F-1 cooperate to mediate apoptosis."

Wu X., Levine A.J. Proc. Natl. Acad. Sci. U.S.A. 91:3602-3606(1994) "Regulation of E2F1 activity by acetylation."

Martinez-Balbas M.A., Bauer U.M., Nielsen S.J., Brehm A., Kouzarides T. EMBO J. 19:662-671(2000) "Regulation of E2F1 function by the nuclear corepressor KAP1."

Wang C., Rauscher F.J. III, Cress W.D., Chen J. J. Biol. Chem. 282:29902-29909(2007)

Note: This product is for in vitro research use only