ARG58516
anti-E2F2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes E2F2
Tested Reactivity	Hu, Rat
Predict Reactivity	Rb
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	E2F2
Species	Human
Immunogen	Synthetic peptide corresponding to a sequence at the C-terminus of Human E2F2(422-427aa ISDLFDSYDLGDLLIN), identical to the related Mouse sequence.
Conjugation	Un-conjugated
Alternate Names	Transcription factor E2F2; E2F-2

Application Instructions

Application table

Application	Dilution
WB	0.1 - 0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

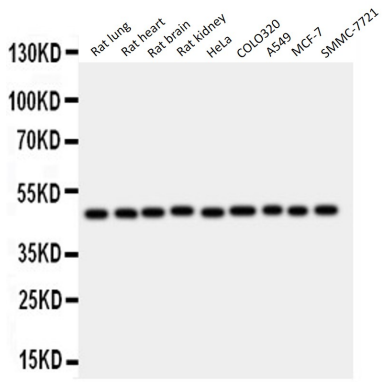
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na2HPO4, 0.05% Thimerosal, 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Thimerosal and 0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	E2F2
Gene Full Name	E2F transcription factor 2
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 and another 2 members, E2F1 and E2F3, have an additional cyclin binding domain. This protein binds specifically to retinoblastoma protein pRB in a cell-cycle dependent manner, and it exhibits overall 46% amino acid identity to E2F1. [provided by RefSeq, Jul 2008]
Function	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. E2F2 binds specifically to RB1 in a cell-cycle dependent manner. [UniProt]
Calculated Mw	48 kDa
PTM	Phosphorylated by CDK2 and cyclin A-CDK2 in the S-phase. [UniProt]
Cellular Localization	Nucleus. [UniProt]

Images



ARG58516 anti-E2F2 antibody WB image

Western blot: 50 µg of Rat lung, 50 µg of Rat heart, 50 µg of Rat brain, 50 µg of Rat kidney, 40 µg of HeLa, 40 µg of COLO320, 40 µg of A549, 40 µg of MCF-7 and 40 µg of SMMC-7721 lysates stained with ARG58516 anti-E2F2 antibody at 0.5 µg/ml dilution.