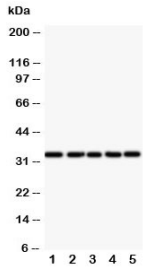
E2F6 Antibody (R30909)

Catalog No.	Formulation	Size
R30909	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	O75461
Applications	Western blot: 0.5-1ug/ml
Limitations	This E2F6 antibody is available for research use only.



Western blot testing of E2F6 antibody and Lane 1: HeLa; 2: COLO320; 3: A549; 4: MCF-7; 5: SMMC-7721 cell lysate. Predicted molecular weight: ~32kDa.

Description

E2F transcription factor 6 is also known as E2F-6. Northern blot analysis revealed that E2F6 is expressed as two mRNAs, 2.5 and 3.5 kb, in all human tissues and cell lines tested. The predicted human and mouse protein sequences are 92% identical. The DNA-binding and dimerization domains of E2F6 are highly related to those of other E2F family members, but this protein lacks the sequences necessary for either transcriptional activation or binding to RB1, p107, or p130. E2F6 can act to repress the transcription of E2F-responsive genes by countering the activity of other E2F complexes. It contributes to gene silencing in a manner independent of retinoblastoma protein family members. It is found in a multimeric protein complex that contains MGA and MAX, and thus the complex can bind not only to the E2F binding site

but also to MYC- and Brachyury- binding sites.The E2F6 complex preferentially occupies target promoters in G0 cells rather than in G1 cells.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the E2F6 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the middle region of human E2F6 (KDCAQQLFELTDDKEN) was used as the immunogen for this E2F6 antibody.

Storage

After reconstitution, the E2F6 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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