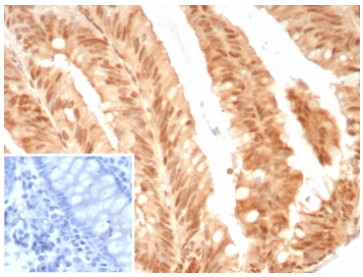
E2F4 Antibody [clone E2F4/8811R] (V4414)

Catalog No.	Formulation	Size
V4414-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4414-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4414SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	E2F4/8811R
Purity	Protein A/G affinity
UniProt	Q16254
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This E2F4 antibody is available for research use only.



E2F4 Antibody Colon Carcinoma IHC. Immunohistochemistry staining of FFPE human colon cancer tissue with E2F4 antibody (clone E2F4/8811R). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

The human retinoblastoma gene product appears to play an important role in the negative regulation of cell proliferation. Functional inactivation of Rb can be mediated either through mutation or as a consequence of interaction with DNA tumor

virus-encoded proteins. Of all the Rb associations described to date, the identification of a complex between Rb and the transcription factor E2F most directly implicates Rb in regulation of cell proliferation. E2F was originally identified through its role in transcriptional activation of the adenovirus E2 promoter. Sequences homologous to the E2F binding site have been found upstream of a number of genes that encode proteins with putative functions in the G1 and S phases of the cell cycle. E2F-1 is a member of a broader family of transcription regulators including E2F-2, E2F-3, E2F-4, E2F-5, E2F-6 and E2F-7 each of which forms heterodimers with a second protein, DP-1, forming an active E2F transcriptional regulatory complex.

Explore our E2F4 Antibody - Cell Cycle Regulation and Transcriptional Repressor Marker (E2F4/4224) page for a broader view of E2F4 expression and RB pathway-associated transcriptional control.

Application Notes

Optimal dilution of the E2F4 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 1-100) from the human protein was used as the immunogen for the E2F4 antibody.

Storage

Aliquot the E2F4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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