Recombinant E2F4 (Transcription Factor) Antibody

Rabbit Monoclonal Antibody [Clone E2F4/8984R]

Catalog No	Format	Size
1874-RBM21-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1874-RBM21-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1874-RBM21-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

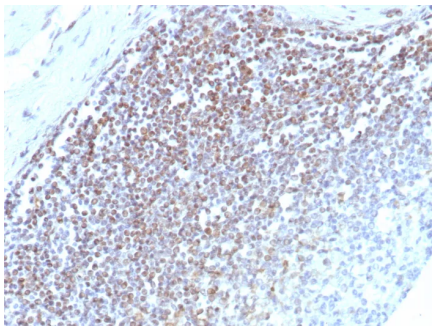
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

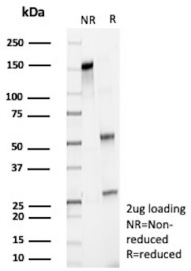
Clone	E2F4/8984R
Gene Name	E2F4
Immunogen	Recombinant fragment (around aa1-100) of human E2F4 protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	60kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	Brain|Found in all tissue examined including heart|kidney and pancreas.|liver|lung|Placenta|skeletal muscle

**Optimal dilution for a specific application should be determined.*

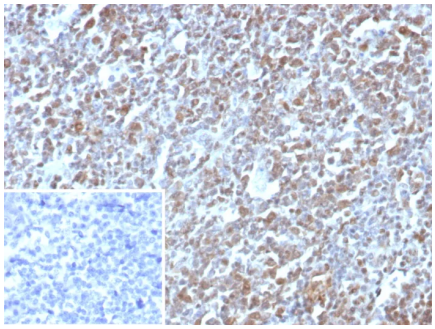
Product Images for Recombinant E2F4 (Transcription Factor) Antibody



Formalin-fixed, paraffin-embedded human spleen stained with E2F4 Recombinant Rabbit Monoclonal Antibody (E2F4/8984R). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



SDS-PAGE Analysis of Purified E2F4 Recombinant Rabbit MonoclonalAntibody (E2F4/8984R). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human tonsil stained with E2F4 Recombinant Rabbit Monoclonal Antibody (E2F4/8984R). Inset: PBS instead of primary antibody; secondary only negative control.

Specificity & Comments

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.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C.Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Colon Cancer, Signal Transduction, Transcription Factors

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.