

E2F4 recombinant antibody

E2F4 Recombinant Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA278965	HEK293F Cell	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunohistochemistry, ELISA

PRODUCT SYNONYMS

E2F4; Monoclonal Recombinant Antibody; E2F4 Recombinant Monoclonal Antibody; Transcription factor E2F4 (E2F-4); E2F4 recombinant antibody

PRODUCT SPECIFICATIONS

Host	HEK293F Cell
Reactivity	Human
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Number	24E12
Purity/Purification	Affinity purified
Form/Format	Liquid; PBS, 150mM NaCl, 0.02% sodium azide, 50% glycerol, pH 7.4.
Applicable Applications for E2F4 recombinant antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), IHC (Immunohistochemistry), ELISA
Immunogen Species	Human
Immunogen	A synthesized peptide derived from Human E2F4
Conjugation	Non-conjugated
Research Area	Epigenetics and Nuclear Signaling; Stem cells
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.

IMAGES



FCM/FACS (Flow Cytometry)

Overlay Peak curve showing MCF7 cells stained with AAA278965 (red line) at 1:100. The cells were fixed in 4% formaldehyde and permeated by 0.2% TritonX-100. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1 μ g/1*10⁶cells) for 45min at 4?. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4?.Control antibody (green line) was rabbit IgG (1 μ g/1*10⁶cells) used under the same conditions. Acquisition of >10,000 events was performed.



IHC (Immunohistochemistry)

IHC image of AAA278965 diluted at 1:100 and staining in paraffin-embedded human brain tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.05% DAB.

ADDITIONAL INFORMATION

Related Product Information for E2F4 recombinant antibody	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. E2F4 binds with high affinity to RBL1 and RBL2. In some instances can also bind RB1. Specifically required for multiciliate cell differentiation: together with MCIDAS and E2F5, binds and activate genes required for centriole biogenesis. {ECO:0000250 UniProtKB:Q6DE14, ECO:0000269 PubMed:7958924, ECO:0000269 PubMed:7958925}.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2494229
NCBI GeneID	1874
UniProt Accession #	Q16254; Q12991; Q15328; A6NGR8; B5BU56
Molecular Weight	43,960 Da
NCBI Official Full Name	Transcription factor E2F4
NCBI Official Synonym Full Names	E2F transcription factor 4, p107/p130-binding
NCBI Official Symbol	E2F4
NCBI Official Synonym Symbols	E2F-4
NCBI Protein Information	transcription factor E2F4; p107/p130-binding protein
UniProt Protein Name	Transcription factor E2F4
UniProt Gene Name	E2F4
UniProt Synonym Gene Names	E2F-4
UniProt Entry Name	E2F4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/e2f4-recombinant-antibody-clone-24e12-flow-cytometry-immunofluorescence-immunohistochemistry-elisa/278965>