

Rabbit E2F4 Polyclonal Antibody | anti-E2F4 antibody

Anti-E2F4 Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA254387	Rabbit	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)	Immunofluorescence, Immunocytochemistry, Western Blot

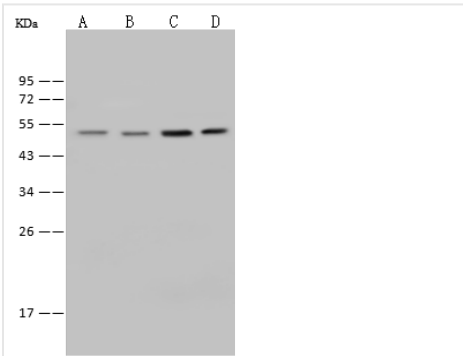
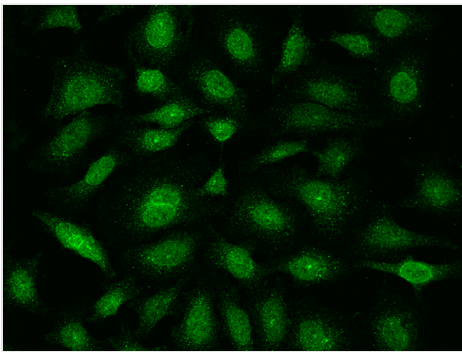
PRODUCT SYNONYMS

E2F4; Polyclonal Antibody; Anti-E2F4 Antibody; Rabbit Polyclonal; E2F4 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-E2F4-4 Antibody; anti-E2F4 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted to React with: Mouse (Species predicted to react based on 100% sequence homology)
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human E2F4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-E2F4 antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	A synthetic peptide corresponding to the center region of the Human E2F4
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with a synthetic peptide corresponding to the center region of the Human E2F4, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.

IMAGES



IF (Immunofluorescence)
Immunofluorescence staining of E2F4 in HeLa cells. Cells were fixed with 4% PFA, permeabilized with 0.1% Triton X-100 in PBS, blocked with 10% serum, and incubated with rabbit anti-Human E2F4 polyclonal antibody (dilution ratio 1:200) at 4 degree C overnight. Then cells were stained with the Alexa Fluor488-conjugated Goat Anti-rabbit IgG secondary antibody (green). Positive staining was localized to Nucleus.

WB (Western Blot)
Anti-E2F4 rabbit polyclonal antibody at 1:500 dilution
Lane A: K562 Whole Cell Lysate
Lane B: Raji Whole Cell Lysate
Lane C: HeLa Whole Cell Lysate
Lane D: Jurkat Whole Cell Lysate
Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 44 kDa Observed band size: 53 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-E2F4 antibody	E2F4 is an important basal transcription factor with the potential to promote tumor growth. The transcription factor E2F4 controls the proliferation of normal and cancerous intestinal epithelial cells. E2F4 localization in normal human intestinal epithelial cells (HIEC) is cell cycle-dependent, being cytoplasmic in quiescent differentiated cells but nuclear in proliferative cells. Contrary to other E2Fs, the coding region of the E2F4 gene contains a longer spacer segment of a CAG trinucleotide repeat sequence encoding 13 consecutive serine residues, which is highly vulnerable to frameshift mutations in situations of genetic instability. Cancer-associated E2F4 mutations enhance the capacity of colorectal cancer cells to grow without anchorage, thereby contributing to tumor progression. E2F4 is a transcriptional repressor implicated in cell cycle arrest and whose repressive activity depends on its interaction with members of the RB family.
Product Categories/Family for anti-E2F4 antibody	Apoptosis Transcription Factors and Regulators
References	Paquin MC, et al. (2013) Functional impact of colorectal cancer-associated mutations in the transcription factor e2f4. Int J Oncol 43 (6): 2015-2022. Paquin MC, et al. (2013) Erk-associated changes in e2f4 phosphorylation, localization and transcriptional activity during mitogenic stimulation in human intestinal epithelial crypt cells. BMC Cell Biol 14 33. Hsu J, et al. (2016) Novel functions for the transcription factor e2f4 in development and disease. Cell Cycle 15 (23): 3183-3190. Farman FU, et al. (2018) Aberrant promoter methylation status is associated with upregulation of the e2f4 gene in breast cancer. Oncol Lett 15 (6): 8461-8469.

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/polyclonal/e2f4-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/254387>