

Rabbit E2F3 Polyclonal Antibody | anti-E2F3 antibody

Anti-E2F3 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126277	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

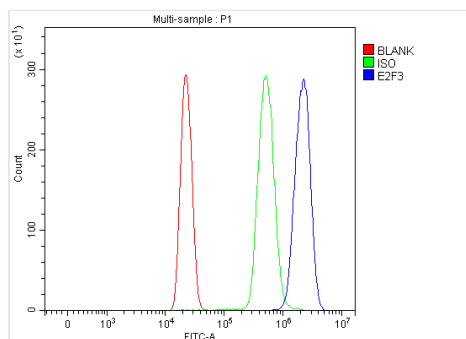
PRODUCT SYNONYMS

E2F3; Polyclonal Antibody; Anti-E2F3 Antibody Picoband; anti-E2F3 antibody

PRODUCT SPECIFICATIONS

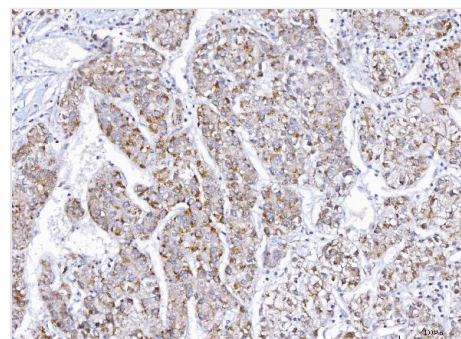
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-E2F3 antibody	ELISA, FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human E2F3 recombinant protein (Position: A91-S465).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



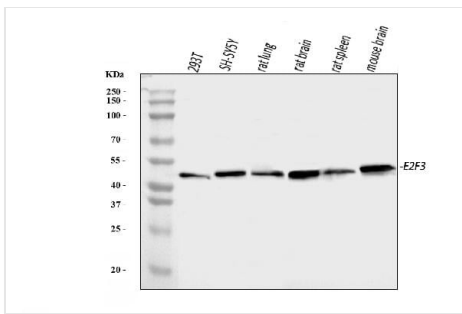
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HL-60 cells using anti-E2F3 antibody (AAA126277). Overlay histogram showing HL-60 cells stained with AAA126277 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-E2F3 Antibody (AAA126277, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of E2F3 using anti-E2F3 antibody (AAA126277). E2F3 was detected in a paraffin-embedded section of human liver cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-E2F3 Antibody (AAA126277) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of E2F3 using anti-E2F3 antibody (AAA126277). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human 293T whole cell lysates, Lane 2: human SH-SY5Y whole cell lysates, Lane 3: rat lung tissue lysates, Lane 4: rat brain tissue lysates, Lane 5: rat spleen tissue lysates, Lane 6: mouse spleen tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-E2F3 antigen affinity purified polyclonal antibody (#AAA126277) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for E2F3 at approximately 45 kDa. The expected band size for E2F3 is at 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-E2F3 antibody	Transcription factor E2F3, also known as KIAA0075, is a protein that in humans is encoded by the E2F3 gene. The protein encoded by this gene is a member of the E2F family of transcription factors. By fluorescence in situ hybridization, E2F3 gene is mapped to 6q22.3. The induction of specific E2F activities is an essential component in the MYC pathways that control cell proliferation and cell fate decisions. This gene encodes a member of a small family of transcription factors that function through binding of DP interaction partner proteins. The encoded protein recognizes a specific sequence motif in DNA and interacts directly with the retinoblastoma protein (pRB) to regulate the expression of genes involved in the cell cycle.
Product Categories/Family for anti-E2F3 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	2811006
NCBI GeneID	1871
UniProt Accession #	O00716 ; Q15000 ; Q68DT0 ; Q9BZ44
Molecular Weight	37,010 Da
NCBI Official Full Name	Transcription factor E2F3
NCBI Official Synonym Full Names	E2F transcription factor 3
NCBI Official Symbol	E2F3
NCBI Official Synonym Symbols	E2F-3
NCBI Protein Information	transcription factor E2F3
UniProt Protein Name	Transcription factor E2F3
UniProt Gene Name	E2F3
UniProt Synonym Gene Names	KIAA0075; E2F-3
UniProt Entry Name	E2F3_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://www.aaabiotech.com/polyclonal/e2f3-antibody-flow-cytometry-immunohistochemistry-western-blot-elisa/126277>