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Datasheet for ABIN3042877
anti-E2F3 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	E2F3
Binding Specificity:	AA 446-465, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This E2F3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Transcription factor E2F3(E2F3) detection. Tested with WB in Human,Mouse.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human E2F3(446-465aa DLFDAYDLEKLPLVEDFMCS), identical to the related mouse sequence.
Sequence:	DLFDAYDLEK LPLVEDFMCS
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Transcription factor E2F3(E2F3) detection. Tested with WB

Product Details

in Human,Mouse.

Gene Name: E2F transcription factor 3

Protein Name: Transcription factor E2F3

Purification: Immunogen affinity purified.

Target Details

Target: E2F3

Abstract: [E2F3 Products](#)

Background: 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.

Synonyms: DKFZp686C18211 antibody|E2F 3 antibody|E2F transcription factor 3 antibody|E2F-3 antibody|E2F3 antibody|E2F3_HUMAN antibody|KIAA0075 antibody|MGC104598 antibody|Transcription factor E2F 3 antibody|Transcription factor E2F3 antibody

UniProt: [000716](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Predicted Species: Mouse
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities.
Other applications have not been tested. Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB.

Restrictions: For Research Use only

Handling

Format: Lyophilized

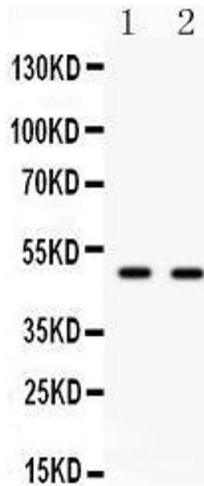
Handling

Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Publications

Product cited in:	<p>Zhang, Wu: "Fasudil inhibits proliferation and migration of Hep-2 laryngeal carcinoma cells." in: Drug design, development and therapy, Vol. 12, pp. 373-381, (2018) (PubMed).</p> <p>Zhou, Wu, Ma, Xiao, Yu, Yang, Xu, Zhang, Zhou, Ye, Wang: "Attenuation of TGFBR2 expression and tumour progression in prostate cancer involve diverse hypoxia-regulated pathways." in: Journal of experimental & clinical cancer research : CR, Vol. 37, Issue 1, pp. 89, (2018) (PubMed).</p> <p>Schwartz, Bochkariov: "Novel chemiluminescent Western blot blocking and antibody incubation solution for enhanced antibody-antigen interaction and increased specificity." in: Electrophoresis, Vol. 38, Issue 20, pp. 2631-2637, (2017) (PubMed).</p> <p>Zuo, Liu, Zhang, Wu, Guo, Liao: "Development of trastuzumab-resistant human gastric carcinoma cell lines and mechanisms of drug resistance." in: Scientific reports, Vol. 5, pp. 11634, (2015) (PubMed).</p> <p>Chen, Bao, Zhou, Wang, Wei, Fan: "Glucose transporter-1 expression in CD133+ laryngeal carcinoma Hep-2 cells." in: Molecular medicine reports, Vol. 8, Issue 6, pp. 1695-700, (2013) (</p>
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[PubMed](#)).



Western Blotting

Image 1. Anti- E2F3 antibody, Western blotting All lanes:
Anti E2F3 at 0.5ug/ml Lane 1: HELA Whole Cell Lysate at 40ug Lane 2: COLO320 Whole Cell Lysate at 40ug Predicted bind size: 49KD Observed bind size: 49KD