E2F7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	E2F7, Polyclonal Antibody
Full Product Name	E2F7 Polyclonal Antibody
Product Gene Name	anti-E2F7 antibody
Product Synonym Names	Transcription factor E2F7; E2F-7; E2F7
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	100
OMIM	612046
3D Structure	ModBase 3D Structure for Q96AV8
Immunogen	Synthesized peptide derived from human protein. at AA range: 560-640
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-E2F7 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-E2F7 antibody	WB: 1:500-2000 ELISA: 1:5000-20000
Related Product Information for anti-E2F7 antibody	MBS8531031 is an antibody targeting E2F7. Also known as E2F7 Polyclonal Antibody. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-E2F7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for E2F7. It may not necessarily be applicable to this product.

NCBI GI #	145580626
NCBI GeneID	144455
NCBI Accession #	NP_976328.2
UniProt Primary Accession #	Q96AV8
UniProt Secondary Accession #	A6NC74; B2RMR7; B3KTZ5; B3KUP8; B5MED9
UniProt Related Accession #	Q96AV8
GenBank Nucleotide #	NM_203394.2

NCBI Official Full Name	transcription factor E2F7
NCBI Official Synonym Full Names	E2F transcription factor 7
NCBI Official Symbol	E2F7
UniProt Protein Name	Transcription factor E2F7
Protein Family	Transcription factor
UniProt Gene Name	E2F7
UniProt Synonym Gene Names	E2F-7
NCBI Protein Information	transcription factor E2F7
NCBI Summary for E2F7	E2F transcription factors, such as E2F7, play an essential role in the regulation of cell cycle progression (Di Stefano et al., 2003 [PubMed 14633988]).[supplied by OMIM, May 2008]
UniProt Comments for E2F7	Atypical E2F transcription factor that participates in various processes such as angiogenesis, polyploidization of specialized cells and DNA damage response. Mainly acts as a transcription repressor that binds DNA independently of DP proteins and specifically recognizes the E2 recognition site 5'-TTTC[CG]CGC-3'. Directly represses transcription of classical E2F transcription factors such as E2F1. Acts as a regulator of S-phase by recognizing and binding the E2-related site 5'-TTCCCGCC-3' and mediating repression of G1/S-regulated genes. Plays a key role in polyploidization of cells in placenta and liver by regulating the endocycle, probably by repressing genes promoting cytokinesis and antagonizing action of classical E2F proteins (E2F1, E2F2 and/or E2F3). Required for placental development by promoting polyploidization of trophoblast giant cells. Also involved in DNA damage response: up-regulated by p53/TP53 following genotoxic stress and acts as a downstream effector of p53/TP53-dependent repression by mediating repression of indirect p53/TP53 target genes involved in DNA replication. Acts as a promoter of sprouting angiogenesis, possibly by acting as a transcription activator: associates with HIF1A, recognizes and binds the VEGFA promoter, which is different from canonical E2 recognition site, and activates expression of the VEGFA gene. Acts as a negative regulator of keratinocyte differentiation.
Research Articles on E2F7	**1.** E2F7 might act as an independent prognostic factor of gliomas and might constitute a potential therapeutic target for this disease
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