E2F Transcription Factor 2 (E2F2) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	E2F Transcription Factor 2 (E2F2), Polyclonal Antibody
Full Product Name	APC/CY7-Linked Polyclonal Antibody to E2F Transcription Factor 2 (E2F2)
Product Gene Name	anti-E2F2 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Concentration	>=100ug/ml (lot specific)
Matching Pairs	Unconjugated Antibody: E2F2 (MBS2032277) APC-CY7 Conjugated Antibody: E2F2 (MBS2080918)
Matching Pairs	APC-CY7 Conjugated Antibody: E2F2 (MBS2080918) Immunogen: E2F2 (MBS2033367)
Molecular Weight	47,506 Da
OMIM	L22846 mRNA
Supply Chain Verification	Manufactured in a lab with traceable raw materials. Bulk orders can typically be prepared to the customer's specifications, please inquire.
Immunogen	E2F2 (Arg129~Tyr429)
Conjugation	APC-Cy7
Cross Reactivity	Human
Unconjugated Antibody	The unconjugated antibody version of this item is also available as catalog #MBS2032277
ISO Certification	Manufactured in an ISO 9001:2015 and ISO 13485:2016 Certified Laboratory.
Applications Tested/Suitable for anti-E2F2 antibody	Western Blot (WB), Immunocytochemistry (ICC), Immunohistochemistry (IHC) Formalin/Paraffin, ELISA (ELISA)
Related Product Information for anti-E2F2 antibody	MBS2080918 is an antibody targeting E2F2. Also known as APC/CY7-Linked Polyclonal Antibody to E2F Transcription Factor 2 (E2F2). Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-E2F2 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 E2F2. It may not necessarily be applicable to this product.

NCBI GI #	31657162
NCBI GeneID	1870
NCBI Accession #	AAH53676.1
UniProt Secondary Accession #	Q7Z6H1; B2R9W1
UniProt Related Accession #	Q14209

NCBI Official Full Name	E2F transcription factor 2
NCBI Official Synonym Full Names	E2F transcription factor 2
NCBI Official Symbol	E2F2
NCBI Official Synonym Symbols	E2F-2
UniProt Protein Name	Transcription factor E2F2
Protein Family	Transcription factor
UniProt Gene Name	E2F2
UniProt Synonym Gene Names	E2F-2
NCBI Protein Information	transcription factor E2F2
NCBI Summary for E2F2	The protein encoded by this gene is a member of the E2F family of transcription factors. The E2F family plays a crucial role in the control of cell cycle and action of tumor suppressor proteins and is also a target of the transforming proteins of small DNA tumor viruses. The E2F proteins contain several evolutionally conserved domains found in most members of the family. These domains include a DNA binding domain, a dimerization domain which determines interaction with the differentiation regulated transcription factor proteins (DP), a transactivation domain enriched in acidic amino acids, and a tumor suppressor protein association domain which is embedded within the transactivation domain. This protein and another 2 members, E2F1 and E2F3, have an additional cyclin binding domain. This protein binds specifically to retinoblastoma protein pRB in a cell-cycle dependent manner, and it exhibits overall 46% amino acid identity to E2F1. [provided by RefSeq, Jul 2008]
UniProt Comments for E2F2	E2F2: 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. E2F2 binds specifically to RB1 in a cell-cycle dependent manner. Belongs to the E2F/DP family. Protein type: DNA-binding Chromosomal Location of Human Ortholog: 1p36.12 Cellular Component: nucleoplasm Molecular Function: DNA binding; protein binding; transcription factor binding Biological Process: transcription initiation from RNA polymerase II promoter
Research Articles on E2F2	**1.** Data indicate that microRNA miR-214 has tumor-suppressive activity in hepatocellular carcinoma (HCC) through inhibition of E2F2 transcription factor (E2F2), cyclin-dependent kinases CDK3 and CDK6.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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