

Rabbit anti-Human E2F8 Polyclonal Antibody | anti-E2F8 antibody

E2F8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323500	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

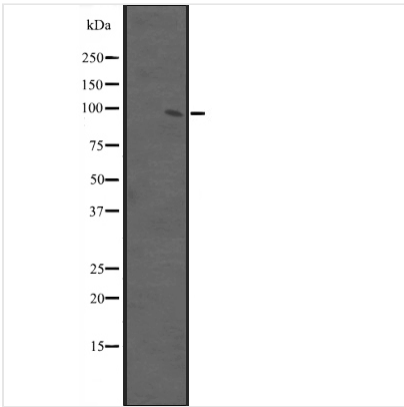
PRODUCT SYNONYMS

E2F8; Polyclonal Antibody; E2F8 Antibody; E2F 8; E2F family member 82; E2F transcription factor 8; E2F-8; E2f8; E2F8_HUMAN; FLJ23311; Transcription factor E2F8; anti-E2F8 antibody

PRODUCT SPECIFICATIONS

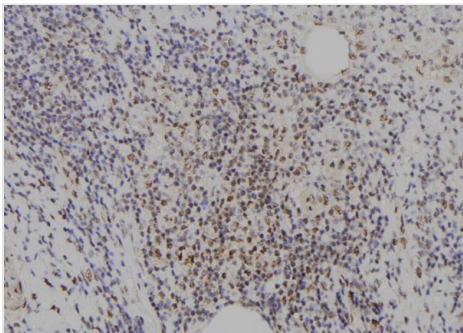
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	E2F8 antibody detects endogenous levels of total E2F8
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	867
Applicable Applications for anti-E2F8 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	Following DNA damage (PubMed:18202719). Up-regulation in response to DNA damage is not confirmed by PubMed:22802528.
Predicted Cross Reactivity	Pig, Bovine, Horse, Dog
Similarity	Pig (89%), Bovine (89%), Horse (89%), Dog (86%)
Conjugation	Unconjugated

IMAGES



WB (Western Blot)

Western blot analysis of E2F8 expression in A431 whole cell lysate, The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA323500 at 1/100 staining Human spleen tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-E2F8 antibody

Description: Along with E2F7, inhibitor of E2F-dependent transcription. Binds DNA independently of DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3'. Directly represses E2F1 transcription. Appears to regulate a subset of E2F-dependent genes whose products are required for normal cell cycle progression.

Function: Atypical E2F transcription factor that participates in various processes such as angiogenesis and polyploidization of specialized cells. 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: component of a feedback loop in S phase by repressing the expression of E2F1, thereby preventing p53/TP53-dependent apoptosis. 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. 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.

Subunit Structure: Homodimer and heterodimer: mainly forms homodimers and, to a lesser extent, heterodimers with E2F8. Dimerization is important for DNA-binding. Interacts with HIF1A.

Similarity: In contrast to classical members of the E2F transcription factor, atypical members contain 2 DNA-binding domains and regulate transcription in a DP-independent manner. Both DNA-binding domains are required for DNA-binding and are proposed to form an intramolecular structure that is similar to the winged helix structure of the E2F-DP heterodimer (By similarity). Belongs to the E2F/DP family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	373838711
NCBI GeneID	79733
NCBI Accession #	NP_001243300.1
NCBI GenBank Nucleotide #	NM_001256371.1
UniProt Accession #	A0AVK6; Q2VPJ3; Q3C1U6; Q5BK Y4; Q8N340; Q9H5M0; A8K9H3
Molecular Weight	Observed: 94 kDa Predicted: 95 kDa
NCBI Official Full Name	transcription factor E2F8
NCBI Official Synonym Full Names	E2F transcription factor 8
NCBI Official Symbol	E2F8
NCBI Official Synonym Symbols	E2F-8

NCBI Protein Information	transcription factor E2F8
UniProt Protein Name	Transcription factor E2F8
UniProt Gene Name	E2F8
UniProt Synonym Gene Names	E2F-8

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/e2f8-antibody-immunohistochemistry-western-blot-elisa/323500>