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E2F6 Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP51174

Specification

E2F6 Antibody - Product Information

Application	**WB, IP, IHC-P, E**
Primary Accession	O75461
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**35 KDa**

E2F6 Antibody - Additional Information

Gene ID 1876

Other Names
Transcription factor E2F6, E2F-6, E2F6

Target/Specificity
KLH-conjugated synthetic peptide encompassing a sequence within the center region of human E2F6. The exact sequence is proprietary.

Dilution
WB~~1:1000
IP~~N/A
IHC-P~~N/A
E~~N/A

Format
0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%

Storage
Store at -20 °C.Stable for 12 months from date of receipt

E2F6 Antibody - Protein Information

Name E2F6 {ECO:0000303|PubMed:9689056, ECO:0000312|HGNC:HGNC:3120}

Function
Inhibitor of E2F-dependent transcription (PubMed:9501179, PubMed:9689056, PubMed:9704927). Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3' (PubMed:9501179). Has a preference for the 5'-TTTCCCGC-3' E2F recognition site (PubMed:<a

href="http://www.uniprot.org/citations/9501179" target="_blank">9501179). E2F6 lacks the transcriptional activation and pocket protein binding domains (PubMed:9501179, PubMed:9704927). Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression (PubMed:9501179, PubMed:9689056). Represses expression of some meiosis-specific genes, including SLC25A31/ANT4 (By similarity). May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase (PubMed:9501179).

Cellular Location
Nucleus

Tissue Location
Expressed in all tissues examined. Highest levels in placenta, skeletal muscle, heart, ovary, kidney, small intestine and spleen.

E2F6 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

E2F6 Antibody - Images

E2F6 Antibody - Background

Inhibitor of E2F-dependent transcription. Binds DNA cooperatively with DP proteins through the E2 recognition site, 5'-TTTC[CG]CGC-3'. Has a preference for the 5'-TTTCCCGC-3' E2F recognition site. E2F6 lacks the transcriptional activation and pocket protein binding domains. Appears to regulate a subset of E2F-dependent genes whose products are required for entry into the cell cycle but not for normal cell cycle progression. May silence expression via the recruitment of a chromatin remodeling complex containing histone H3-K9 methyltransferase activity. Overexpression delays the exit of cells from the S-phase.

E2F6 Antibody - References

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Cartwright P.,et al.Oncogene 17:611-623(1998).
Salih M.,et al.Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
Schwertfeger N.,et al.Submitted (JUL-2002) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).