abcam

Product datasheet

Anti-E2F6 antibody [TFE61] ab11952

5 References 1 Image

Overview

Product name	Anti-E2F6 antibody [TFE61]
Description	Mouse monoclonal [TFE61] to E2F6
Host species	Mouse
Tested applications	**Suitable for:** WB
Species reactivity	**Reacts with:** Human
Immunogen	Recombinant full length protein (Human)
Positive control	Hela cells or K-562 nuclear extract.
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing. If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.02% Sodium azide Constituent: 99.98% PBS
Purity	Protein A purified
Clonality	Monoclonal
Clone number	TFE61
Myeloma	Sp2/0-Ag14
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab11952 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		

Application notes

WB: 1/500 - 1/1000. Detects a band of approximately 38 kDa from K-562 nuclear extract(predicted molecular weight: 32 kDa). For optimal results, primary antibody incubations should be performed at 37°C

ICC/IF: Use at an assay dependent dilution.
IP: Use at an assay dependent dilution.

Not tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

Function

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. E2F-6 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.

Tissue specificity

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

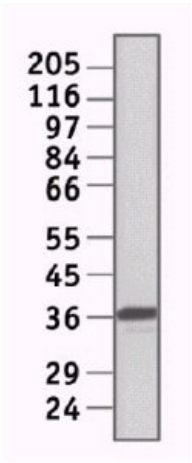
Sequence similarities

Belongs to the E2F/DP family.

Cellular localization

Nucleus.

Images



Western blot - Anti-E2F6 antibody [TFE61] (ab11952)

Detection of E2F6 by Western blot analysis. E2F6 is detected in nuclear extracts derived from K-562 cells using a 1/1000 dilution of ab11952.

Detection of E2F6 by Western blot analysis. E2F6 is detected in nuclear extracts

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