

#### **TIEG2 Antibody (N-term)**

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6625A

# **Specification**

## TIEG2 Antibody (N-term) - Product Information

Application IHC-P, FC, IF, WB,E

**Primary Accession** 014901 Other Accession 08K1S5 Reactivity Human Predicted Mouse Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 55139 Antigen Region 7-36

# TIEG2 Antibody (N-term) - Additional Information

#### **Gene ID 8462**

#### **Other Names**

Krueppel-like factor 11, Transforming growth factor-beta-inducible early growth response protein 2, TGFB-inducible early growth response protein 2, TIEG-2, KLF11, FKLF, TIEG2

#### Target/Specificity

This TIEG2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 7-36 amino acids from the N-terminal region of human TIEG2.

#### **Dilution**

IHC-P~~1:50~100 FC~~1:10~50 IF~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

#### Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## **Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

#### **Precautions**

TIEG2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## TIEG2 Antibody (N-term) - Protein Information



#### Name KLF11

#### Synonyms FKLF, TIEG2

**Function** Transcription factor (PubMed: 10207080, PubMed: 9748269). Activates the epsilon- and gamma-globin gene promoters and, to a much lower degree, the beta-globin gene and represses promoters containing SP1-like binding inhibiting cell growth (PubMed: 10207080, PubMed: 9748269). Represses transcription of SMAD7 which enhances TGF-beta signaling (By similarity). Induces apoptosis (By similarity).

# **Cellular Location**

Nucleus.

#### **Tissue Location**

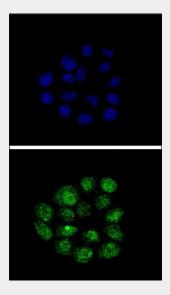
Ubiquitous. Higher expression in erythroid cells.

#### TIEG2 Antibody (N-term) - Protocols

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

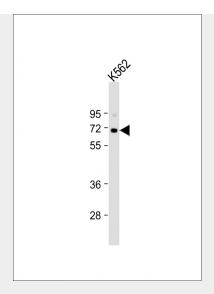
- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

# TIEG2 Antibody (N-term) - Images



Confocal immunofluorescent analysis of TIEG2 Antibody (N-term)(Cat. #AP6625a) with Hela cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).

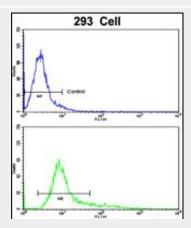




Anti-TIEG2 Antibody (N-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20  $\mu$ g per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 55 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human brain tissue reacted with TIEG2 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.



Flow cytometric analysis of 293 cells using TIEG2 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

TIEG2 Antibody (N-term) - Background





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TIEG2 is a transcription factor. The protein activates the epsilon- and gamma-globin gene promoters and, to a much lower degree, the beta-globin gene and represses promoters containing SP1-like binding inhibiting cell growth. It represses transcription of SMAD7 which enhances TGF-beta signaling. It induces apoptosis.

# TIEG2 Antibody (N-term) - References

Kuroda, E., Endocr. J. 56 (2), 275-286 (2009) Ma, L., J. Clin. Endocrinol. Metab. 93 (9), 3644-3649 (2008)