

TIEG2 Antibody (N-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6625A**Specification**

TIEG2 Antibody (N-term) - Product Information

Application	IF, WB, IHC-P, FC,E
Primary Accession	O14901
Other Accession	Q8K1S5
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

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

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:[9748269](#), PubMed:[10207080](#)). 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:[9748269](#), PubMed:[10207080](#), PubMed:[16131492](#)). Represses transcription of SMAD7 which enhances TGF-beta signaling (By similarity). Induces apoptosis (By similarity).

Cellular Location

Nucleus.

Tissue Location

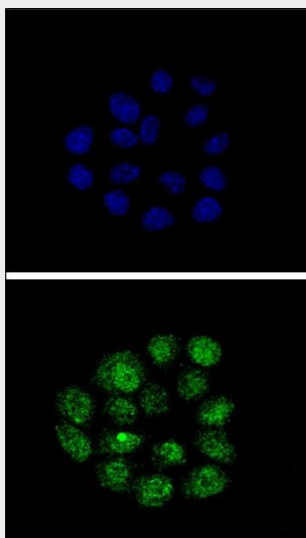
Ubiquitous. Higher expression in erythroid cells.

TIEG2 Antibody (N-term) - Protocols

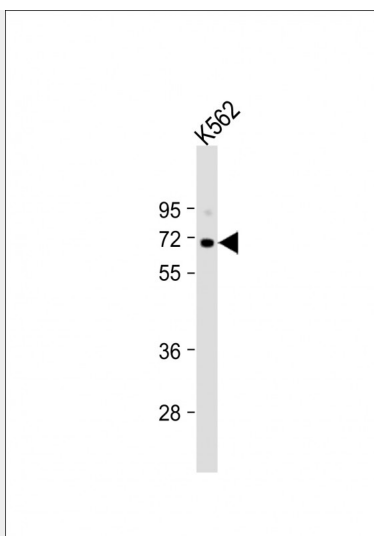
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

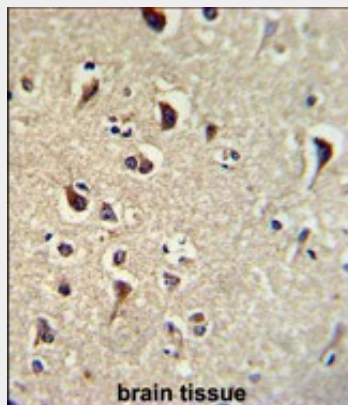
TIEG2 Antibody (N-term) - Images



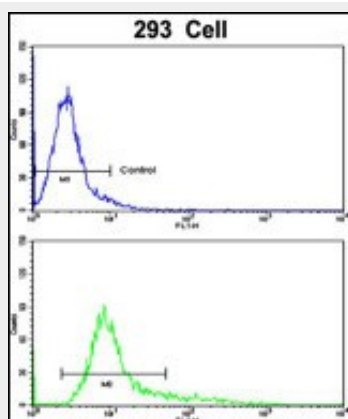
Confocal immunofluorescent analysis of TIEG2 Antibody (N-term)(Cat. #AP6625a) with HeLa cell followed by Alexa Fluor® 488-conjugated goat anti-rabbit IgG (green). DAPI was used to stain the cell nuclear (blue).



Anti-TIEG2 Antibody (N-term) at 1:1000 dilution + K562 whole cell lysate Lysates/proteins at 20 µg 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

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)