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PHLDA3 / TIH1 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2383a

Specification

PHLDA3 / TIH1 Antibody (C-Term) - Product Information

Application	**WB**
Primary Accession	Q9Y5J5
Other Accession	NP_036528.1, 23612, 27280 (mouse)
Reactivity	**Human**
Predicted	**Mouse, Rat**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**13891**

PHLDA3 / TIH1 Antibody (C-Term) - Additional Information

Gene ID 23612

Other Names
Pleckstrin homology-like domain family A member 3, TDAG51/Ipl homolog 1, PHLDA3, TIH1

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
PHLDA3 / TIH1 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

PHLDA3 / TIH1 Antibody (C-Term) - Protein Information

Name PHLDA3

Synonyms TIH1

Function
p53/TP53-regulated repressor of Akt/AKT1 signaling. Represses AKT1 by preventing AKT1-binding to membrane lipids, thereby inhibiting AKT1 translocation to the cellular membrane and activation. Contributes to p53/TP53-dependent apoptosis by repressing AKT1 activity. Its direct transcription regulation by p53/TP53 may explain how p53/TP53 can negatively regulate AKT1. May act as a tumor suppressor.

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Cellular Location
Cytoplasm. Membrane; Peripheral membrane protein

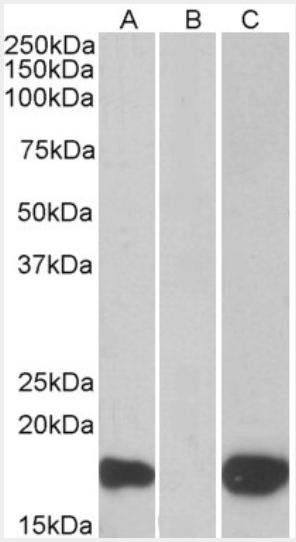
Tissue Location
Widely expressed with lowest expression in liver and spleen.

PHLDA3 / TIH1 Antibody (C-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 Cytomety
- Cell Culture

PHLDA3 / TIH1 Antibody (C-Term) - Images



HEK293 lysate (10ug protein in RIPA buffer) overexpressing Human PHLDA3 with C-terminal MYC tag probed with AF2383a (1ug/ml) in Lane A and probed with anti-MYC Tag (1/1000) in lane C. Mock-transfected HEK293 probed with AF2383a (1mg/ml) in Lane B. Primary incubations were for 1 hour. Detected by chemiluminescence.

PHLDA3 / TIH1 Antibody (C-Term) - References

A novel pleckstrin homology-related gene family defined by Ipl/Tssc3, TDAG51, and Tih1: tissue-specific expression, chromosomal location, and parental imprinting. Frank D, Mendelsohn CL, Ciccone E, Svensson K, Ohlsson R, Tycko B. Mamm Genome. 1999 Dec;10(12):1150-9. PMID: 10594239