

**PHLDA3 / TIH1 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2383a****Specification**

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

Application	WB, E
Primary Accession	<a href="#">O9Y5J5</a>
Other Accession	<a href="#">NP_036528.1</a> , <a href="#">23612</a> , <a href="#">27280 (mouse)</a>
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/lpl homolog 1, PHLDA3, TIH1

**Dilution**

WB~~1:1000

E~~N/A

**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.

**Cellular Location**

Cytoplasm. Membrane; Peripheral membrane protein

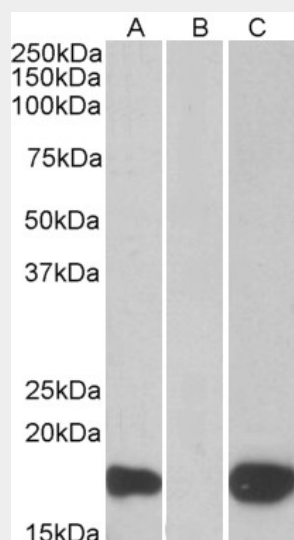
**Tissue Location**

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 Cytometry](#)
- [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