



Anti-PHLDA3

BACKGROUND

PHLDA3 (Pleckstrin homology-like domain family A member 3) is a small PH (Pleckstrin homology) domain-only protein (127 a.a. in human) that is highly conserved in vertebrates. Recently PHLDA3 was found to be a p53-regulated repressor of Akt (ref 2), hence it is speculated as a tumor suppressor. PHLDA3 also inhibits anchorage-independent cell growth. PHLDA3 gene is frequently lost in human lung endocrine tumors. The antibody was produced from the hybridoma cultured in serum-free medium and purified under mild conditions by propriety chromatography processes.

Product type	Primary antibodies
Host	Mouse
Source	Supernatant
Form	Liquid
Volume	Purified monoclonal antibody (IgG) 1mg/ml in PBS, 50% glycerol, filter-sterilized
Concentration	100ug
Specificity	1 mg/ml
Specificity	Specific to human PHLDA3.
Antigen	Synthetic peptide corresponding to N terminal amino acids 1-31 of human PHLDA3.
Clone	4B6
Isotype	IgG2b kappa

Application notes WB Other applications were not tested

Recommended use

Recommended dilutions

Optimal dilutions/concentrations should be determined by the end user.

Staining Pattern

Cross reactivity Not tested with other species.

Storage -20 °C (long period, -80°C)

References References: This antibody has been used in Ref. 2

1) Frank,D. et al. (1999) "A novel pleckstrin homology-related gene family defined by Ip1/Tssc3, TDAG51, and Tih1: tissue-specific expression, chromosomal location, and parental imprinting." Mamm. Genome 10:1150-1159.

2) Kawase,T. et al. (2009) "PH domain-only PHLDA3 is a novel p53-regulated repressor of Akt". Cell 136: 535-550.

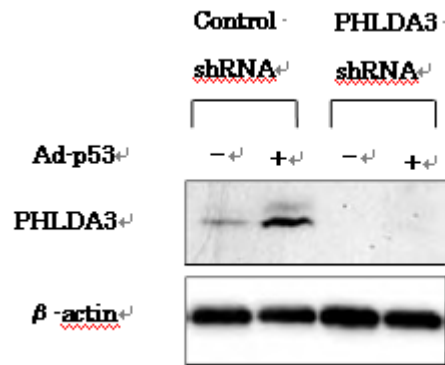


Fig.1 Western blotting was performed using the antibody 4B6 to detect PHLDA3 protein expression. PHLDA3 protein was induced by Ad-p53 in MDA-MB-468 cells (left). PHLDA3 expression was inhibited by shRNA targeting PHLDA3 (right).

For research use only. Not for clinical diagnosis.

Manufactured by BioAcademia Inc.



COSMO BIO Co., LTD.

Inspiration for Life Science

TOYO 2CHOME, KOTO-KU, TOKYO, 135-0016, JAPAN

URL: <http://www.cosmobio.co.jp>

e-mail: export@cosmobio.co.jp

[Outside Japan] Phone : +81-3-5632-9617

[国内連絡先] Phone : +81-3-5632-9610

FAX : +81-3-5632-9618

FAX : +81-3-5632-9619