

# PHC3 Antibody (C-Term)

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP21862b

#### **Product Information**

ApplicationWB, IHC-P, EPrimary AccessionQ8NDX5

**Reactivity** Human, Mouse

HostRabbitClonalitypolyclonalIsotypeRabbit IgGClone NamesRB54120

### **Additional Information**

Other Names Polyhomeotic-like protein 3, Early development regulatory protein 3, Homolog

of polyhomeotic 3, hPH3, PHC3, EDR3, PH3

**Target/Specificity** This PHC3 antibody is generated from a rabbit immunized with a KLH

conjugated synthetic peptide between 819-850 amino acids from human

PHC3.

**Dilution** WB~~1:2000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.

**Format** Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.

This antibody is purified through a protein A column, followed by peptide

affinity purification.

**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** PHC3 Antibody (C-Term) is for research use only and not for use in diagnostic

or therapeutic procedures.

#### **Protein Information**

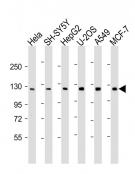
# Background

Component of a Polycomb group (PcG) multiprotein PRC1- like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1 complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility.

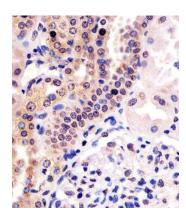
#### References

Tonkin E.,et al.Hum. Genet. 111:435-442(2002). Levine S.S.,et al.Mol. Cell. Biol. 22:6070-6078(2002). Hansen M.F.,et al.Submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases. Ota T.,et al.Nat. Genet. 36:40-45(2004). Bechtel S.,et al.BMC Genomics 8:399-399(2007).

## **Images**



All lanes: Anti-PHC3 Antibody (C-Term) at 1:2000 dilution Lane 1: Hela whole cell lysate Lane 2: SH-SY5Y whole cell lysate Lane 3: HepG2 whole cell lysate Lane 4: U-2OS whole cell lysate Lane 5: A549 whole cell lysate Lane 6: MCF-7 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: 106 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



AP21862b staining PHC3 in human kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.