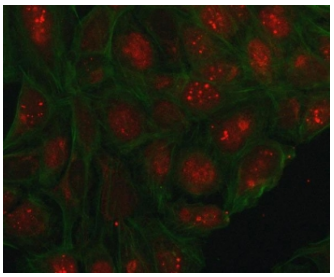
# PHC1 Antibody / Polyhomeotic-like protein 1 (RQ8818)

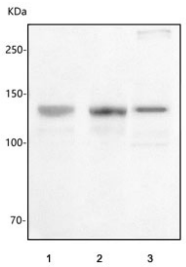
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8818 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 days |
| **Species Reactivity** | Human |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity chromatography |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | P78364 |
| **Applications** | Western blot: 1-2ug/ml<br>Immunofluorescence: 5ug/ml<br>ELISA: 0.1-0.5ug/ml |
| **Limitations** | This PHC1 antibody is available for research use only. |



Immunofluorescent staining of FFPE human U-2 OS cells with PHC1 antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of human 1) U-2 OS, 2) SH-SY5Y and 3) Jurkat cell lysate with PHC1 antibody. Predicted molecular weight ~105 kDa but commonly observed at 125-135 kDa.

## Description

Polyhomeotic-like protein 1 is a protein that in humans is encoded by the PHC1 gene. This gene is a homolog of the Drosophila polyhomeotic gene, which is a member of the Polycomb group of genes. The gene product is a component of a multimeric protein complex that contains EDR2 and the vertebrate Polycomb protein BMH1. The gene product, the EDR2 protein, and the Drosophila polyhomeotic protein share 2 highly conserved domains, named homology domains I and II. These domains are involved in protein-protein interactions and may mediate heterodimerization of the protein encoded by this gene and the EDR2 protein.

## Application Notes

Optimal dilution of the PHC1 antibody should be determined by the researcher.

## Immunogen

An E.coli-derived human recombinant protein (amino acids R23-K642) was used as the immunogen for the PHC1 antibody.

## Storage

After reconstitution, the PHC1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.


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