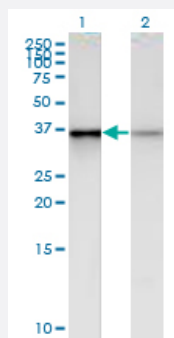


PHC2 monoclonal antibody (M01), clone 1F4

Catalog # H00001912-M01

Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of PHC2 expression in transfected 293T cell line by PHC2 monoclonal antibody (M01), clone 1F4.

Lane 1: PHC2 transfected lysate (Predicted MW: 35.8 KDa).

Lane 2: Non-transfected lysate.

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PHC2.

Immunogen

PHC2 (NP_004418.2, 91 a.a. ~ 200 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

PYLQESKEEGAPLKLKCELCGRVDFAYKFKRSKRFCMACAKRYNVGCTKRVGLFHSDRSKLQ
KAGAATHNRRRASKASLPPLTKDTKKQPTGTVPLSVTAALQLTHSQE

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence

Mouse (95); Rat (95)

Isotype

IgG2a Kappa

Quality Control Testing

Antibody Reactive Against Recombinant Protein.

Storage Buffer

In 1x PBS, pH 7.4

Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PHC2 expression in transfected 293T cell line by PHC2 monoclonal antibody (M01), clone 1F4.

Lane 1: PHC2 transfected lysate (Predicted MW: 35.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- ELISA

Gene Info — PHC2

Entrez GeneID [1912](#)

GeneBank Accession# [NM_004427](#)

Protein Accession# [NP_004418.2](#)

Gene Name PHC2

Gene Alias EDR2, HPH2, MGC163502, PH2

Gene Description polyhomeotic homolog 2 (Drosophila)

Omim ID [602979](#)

Gene Ontology [Hyperlink](#)

Gene Summary In Drosophila melanogaster, the 'Polycomb' group (PcG) of genes are part of a cellular memory system that is responsible for the stable inheritance of gene activity. PcG proteins form a large multimeric, chromatin-associated protein complex. The protein encoded by this gene has homology to the Drosophila PcG protein 'polyhomeotic' (Ph) and is known to heterodimerize with EDR1 and colocalize with BMI1 in interphase nuclei of human cells. The specific function in human cells has not yet been determined. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations OTTHUMP00000004292|OTTHUMP00000004294|early development regulator 2 (homolog of polyhomeotic 2)|early development regulator 2-like|polyhomeotic 2|polyhomeotic-like 2

Disease

- [Tobacco Use Disorder](#)