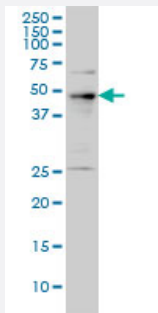


PHF1 monoclonal antibody (M01), clone 2D3

Catalog # H00005252-M01

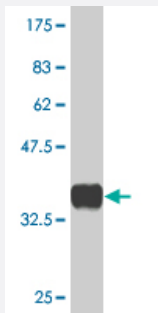
Size 100 ug

Applications



Western Blot (Cell lysate)

PHF1 monoclonal antibody (M01), clone 2D3 Western Blot analysis of PHF1 expression in A-431 (Cat # L015V1).



Western Blot detection against Immunogen (36.63 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant PHF1.
Immunogen	PHF1 (NP_077084, 2 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	AQPPRLSRSGASSLWDPASPAPTS GPRPRLWEGQDVLARWTDGLLYLGTIKKVDSAREVCLVQ FEDDSQFLVLWKDISPAALPGEELLCCVCRSETVVP
Host	Mouse
Reactivity	Human

Interspecies Antigen Sequence	Mouse (97); Rat (97)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.63 KDa) .
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 (Cell lysate)

PHF1 monoclonal antibody (M01), clone 2D3 Western Blot analysis of PHF1 expression in A-431 (Cat # L015V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — PHF1

Entrez GeneID	5252
GeneBank Accession#	NM_024165
Protein Accession#	NP_077084
Gene Name	PHF1
Gene Alias	MTF2L2, PCL1, PHF2
Gene Description	PHD finger protein 1
Omim ID	602881
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a Polycomb group protein. The protein is a component of a histone H3 lysine-27 (H3K27)-specific methyltransferase complex, and functions in transcriptional repression of homeotic genes. The protein is also recruited to double-strand breaks, and reduced protein levels results in X-ray sensitivity and increased homologous recombination. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

OTTHUMP00000029139|OTTHUMP00000029140

Publication Reference

- [Val97Leu mutant presenilin-1 induces tau hyperphosphorylation and spatial memory deficit in mice and the underlying mechanisms.](#)

Wang Y, Cheng Z, Qin W, Jia J.

Journal of Neurochemistry 2012 Apr; 121(1):135.

Application: ICC, IHC, WB-Ti, WB-Tr, Mouse, Mouse hippocampus, N2a cells

- [A polycomb group protein, PHF1, is involved in the response to DNA double-strand breaks in human cell.](#)

Hong Z, Jiang J, Lan L, Nakajima S, Kanno SI, Koseki H, Yasui A.

Nucleic Acids Research 2008 Apr; 36(9):2939.

Application: IF, WB, Human, Flp-In-293, HeLa cells

- [Impairments in fast axonal transport and motor neuron deficits in transgenic mice expressing familial Alzheimer's disease-linked mutant presenilin 1.](#)

Lazarov O, Morfini GA, Pigino G, Gadadhar A, Chen X, Robinson J, Ho H, Brady ST, Sisodia SS.

Journal of Neuroscience 2007 Jun; 27(26):7011.

Application: WB, Mouse, Mouse lumbar spinal cord

Disease

- [Alzheimer disease](#)
- [Cerebral Amyloid Angiopathy](#)
- [Genetic Predisposition to Disease](#)
- [Lupus Erythematosus](#)
- [Neuroblastoma](#)