Recombinant PHF8 Monoclonal Antibody

catalog number: **AN301802L**

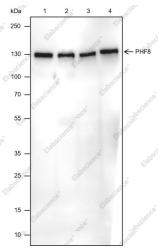
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human;Mouse;Rat
Immunogen	Recombinant human PHF8 fragment
Host	Rabbit
Isotype	Rabbit IgG
Clone	C131424
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications	Recommended Dilution
WB	1:500-1:1000

Data



Western Blot with PHF8 Monoclonal Antibody at dilution of 1:1000. Lane 1: HeLa, Lane 2: HEK-293, Lane 3: NIH/3T3, Lane 4: PC-12

Observed-MW:140 kDa

Calculated-MW:118 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	Ice bag

Background

PHF8 is a histone lysine demethylase that functions as a transcriptional activator by specifically demethylating a number of repressive histone methylation marks: mono- and Dimethyl-histone H3 Lys9 (H3K9me1 and H3K9me2), Dimethyl-histone H3 Lys27 (H3K27me2) and Monomethyl-histone H4 Lys20 (H4K20me1). PHF8 contains an N-terminal zinc finger-like PHD domain that binds Trimethylated histone H3 Lys4 (H3K4Me3) and a C-terminal jumonji domain that is responsible for the demethylase activity. PHF8 is highly expressed in prostate cancer, laryngeal squamous cell carcinoma, and human non-small-cell lung cancer (NSCLC). Its expression is predictive of poor survival. Overexpression of PHF8 increases cell proliferation and cell motility, while silencing of PHF8 reduces cell proliferation, migration, and invasion.

Toll-free: 1-888-852-8623
Tel: 1-832-243-6086
Fax: 1-832-243-6017
Web: www.elabscience.com
Email: techsupport@elabscience.com