

For Research Use Only

EHMT1 Polyclonal antibody

Catalog Number:55436-1-AP



Basic Information

Catalog Number:

55436-1-AP

Size:

150ul , Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_024757

GeneID (NCBI):

79813

UNIPROT ID:

Q9H9B1

Full Name:

euchromatic histone-lysine N-methyltransferase 1

Calculated MW:

141 kDa

Observed MW:

150-170 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC 1:300-1:1200

Applications

Tested Applications:

IF/ICC, IP, ELISA

Species Specificity:

human

Positive Controls:

IP : K-562 cells,

IF/ICC : HeLa cells,

Background Information

EHMT1, also known as GLP (G9a-like protein), encodes a histone lysine methyltransferase that controls brown adipose cell fate, adaptive thermogenesis, and glucose homeostasis in vivo (PMID: 24196706). EHMTs, along with LSD1 (an H3K4 demethylase), are components of the REST complex, which silences neuronal pathway genes in non-neuronal cells. EHMT1 is mainly responsible for the monomethylation and dimethylation of histone H3 lysine 9 (H3K9), forming a heteromeric complex with EHMT2 (G9a) in euchromatin (PMID: 34214254, 37663929).

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

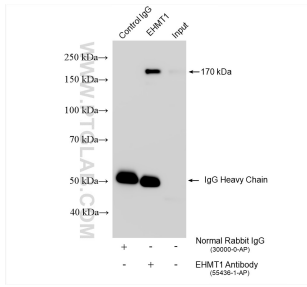
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

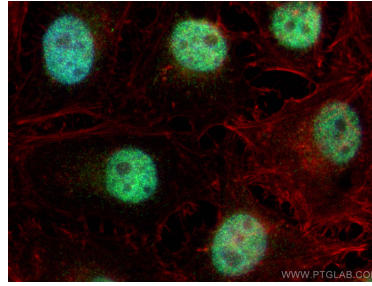
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



IP result of anti-EHMT1 (IP:55436-1-AP, 4ug; Detection:55436-1-AP 1:500) with K-562 cells lysate 1360 ug.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using EHMT1 antibody (55436-1-AP) at dilution of 1:600 and CoraLite@488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-phalloidin (red).