

EHMT2 Recombinant Mouse mAb

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Catalog # AP94351

Product Information

Application	WB, IF, ICC
Host	Rabbit
Clonality	Recombinant
Physical State	Liquid
Isotype	IgG2a, Kappa
Purity	affinity purified by Protein G
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus. Chromosome. Note=Associates with euchromatic regions. Does not associate with heterochromatin.
SIMILARITY	Belongs to the histone-lysine methyltransferase family. Suvar3-9 subfamily. Contains 7 ANK repeats. Contains 1 post-SET domain. Contains 1 pre-SET domain. Contains 1 SET domain.
SUBUNIT	Heterodimer; heterodimerizes with EHMT1/GLP. Interacts with GFI1B and WIZ. Part of the E2F6.com-1 complex in G0 phase composed of E2F6, MGA, MAX, TFDP1, CBX3, BAT8, EHMT1, RING1, RNF2, MBLR, L3MBTL2 and YAF2. Part of a complex composed of TRIM28, HDAC1, HDAC2 and EHMT2.
Post-translational modifications	Phosphorylated upon DNA damage, probably by ATM or ATR. Methylated at Lys-185; automethylated.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	A cluster of genes, BAT1-BAT5, has been localized in the vicinity of the genes for TNF alpha and TNF beta. This gene is found near this cluster; it was mapped near the gene for C2 within a 120-kb region that included a HSP70 gene pair. These genes are all within the human major histocompatibility complex class III region. This gene was thought to be two different genes, NG36 and G9a, adjacent to each other but a recent publication shows that there is only a single gene. The protein encoded by this gene is thought to be involved in intracellular protein-protein interaction. There are three alternatively spliced transcript variants of this gene but only two are fully described. [provided by RefSeq, Jul 2008].

Additional Information

Target/Specificity	Expressed in all tissues examined, with high levels in fetal liver, thymus, lymph node, spleen and peripheral blood leukocytes and lower level in bone marrow.
Dilution	WB=1:1000, ICC/IF=1:50
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce

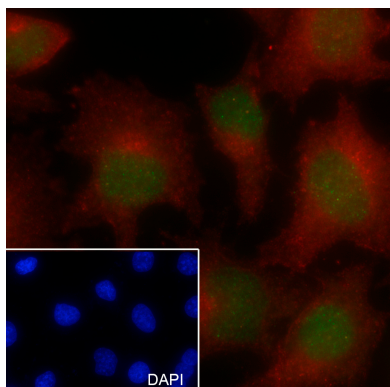
Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

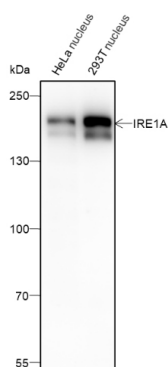
Background

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Images



Cell line: HeLa Fixative: 100% Ice-cold methanol
Permeabilization: 0.1% TritonX-100 Primary ab dilution:
1:50 Primary incubation condition: 4°C overnight Nuclear
counter stain: DAPI (Blue) Comment: Color green is the
positive signal for AP94351



Blocking buffer: 5% NFDM/TBST Primary ab dilution:
1:1000 Primary ab incubation condition: 2 hours at room
temperature Lysate: HeLa nucleus, 293T nucleus Protein
loading quantity: 20 µg Exposure time: 60 s Predicted
MW: 150 kDa Observed MW: 150 kDa

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.