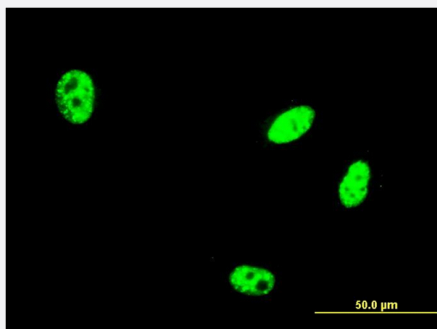


EHMT1 monoclonal antibody (M05), clone 3G1

Catalog # H00079813-M05

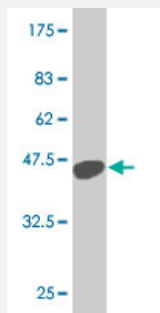
Size 100 ug

Applications



Immunofluorescence

Immunofluorescence of monoclonal antibody to EHMT1 on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.74 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant EHMT1.

Immunogen

EHMT1 (NP_079033, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MAADEGSAEKQAGEAHMAADGETNGSCENS DASSHANA AKHTQDSARVNPQDGTNTL TRIAEN
GVSERDSEAAKQNHVTADDFVQTSVIGSNGYILNKPA

Host

Mouse

Reactivity

Human

Interspecies Antigen Sequence	Mouse (84); Rat (81)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 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 (Recombinant protein)

[Protocol Download](#)

- ELISA
- Immunofluorescence

Immunofluorescence of monoclonal antibody to EHMT1 on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — EHMT1

Entrez GeneID	79813
GeneBank Accession#	NM_024757
Protein Accession#	NP_079033
Gene Name	EHMT1
Gene Alias	DEL9q34, DKFZp667M072, EUHMTASE1, Eu-HMTase1, FLJ12879, FP13812, GLP, KIAA1876, KMT1D, bA188C12.1
Gene Description	euchromatic histone-lysine N-methyltransferase 1
Omim ID	607001 610253
Gene Ontology	Hyperlink

Gene Summary

The protein encoded by this gene is a histone methyltransferase that is part of the E2F6 complex, which represses transcription. The encoded protein methylates the Lys-9 position of histone H3, which tags it for transcriptional repression. This protein may be involved in the silencing of MYC- and E2F-responsive genes and therefore could play a role in the G0/G1 cell cycle transition. Defects in this gene are a cause of chromosome 9q subtelomeric deletion syndrome (9q-syndrome). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq]

Other Designations

G9a like protein|OTTHUMP00000022711|euchromatic histone methyltransferase 1

Pathway

- [Lysine degradation](#)

Disease

- [Adenocarcinoma](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Microsatellite Instability](#)
- [Neoplasm Invasiveness](#)
- [Tobacco Use Disorder](#)