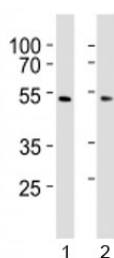


SUV39H2 Antibody (KMT1B) (F42487)

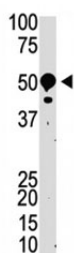
Catalog No.	Formulation	Size
F42487-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42487-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

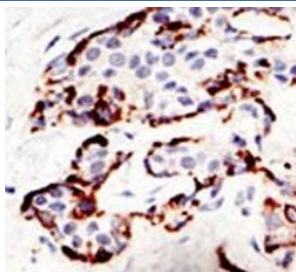
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9H5I1
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This SUV39H2 antibody is available for research use only.



Western blot analysis of lysate from 1) HepG2 and 2) HUVEC cell line using SUV39H2 antibody at 1:1000. Expected molecular weight: 40-53 kDa.



Western blot testing of SUV39H2 antibody and mouse kidney tissue lysate. Expected molecular weight: 40-53 kDa.



IHC analysis of FFPE human breast carcinoma tissue stained with the SUV39H2 antibody.

Description

The murine gene *Suv39h2/kmt1b* encodes an H3 histone methyltransferase (HMTase) 59% identical in sequence to mouse *Suv39h1*. During embryogenesis, both proteins overlap in tissue expression, yet *Suv39h2* transcripts are restricted to the testes in adult animals. Immunolocalization of the *Suv39h2* protein during spermatogenesis indicates enrichment at the heterochromatin from the leptotene to the round spermatid stage. Moreover, *Suv39h2* specifically accumulates with chromatin of the sex chromosomes, which undergo transcriptional silencing during the first meiotic prophase. *Suv39h2* HMTase may also organize meiotic heterochromatin with the potential for epigenetic imprint to the male germline.

Application Notes

Titration of the SUV39H2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 93-122 from the human protein was used as the immunogen for this KMT1B / SUV39H2 antibody.

Storage

Aliquot the SUV39H2 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.