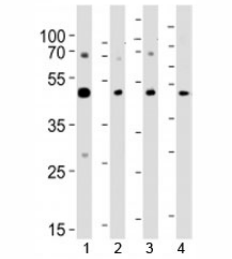
SUV39H2 Antibody (F42488)

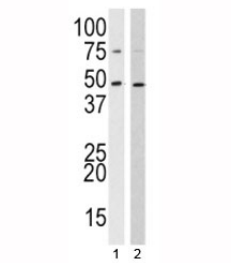
Catalog No.	Formulation	Size
F42488-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F42488-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

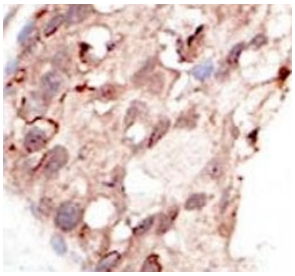
Availability	1-3 business days
Species Reactivity	Human, Rat
Predicted Reactivity	Primate
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q9H5I1
Applications	Western blot: 1:1000 IHC (Paraffin): 1:50-1:100
Limitations	This SUV39H2 antibody is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



Western blot analysis of lysate from 1) A431, 2) K562, 3) CEM cell line and 4) rat brain tissue using SUV39H2 antibody at 1:1000. Expected molecular weight: 40-53 kDa.



Western blot analysis of SUV39H2 antibody and 1) 293, 2) HL-60 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 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 360-390 from the human protein was used as the immunogen for this SUV39H2 antibody.

Storage

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

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