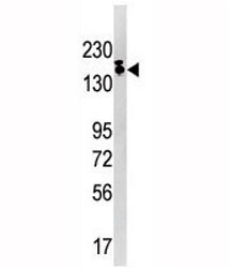
SETDB1 Antibody (F40900)

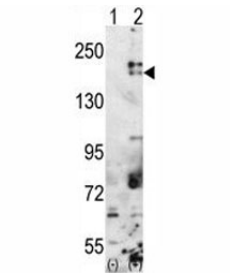
Catalog No.	Formulation	Size
F40900-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40900-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Xenopus, Zebrafish
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	Q15047
Applications	Western blot: 1:1000
Limitations	This SETDB1 antibody is available for research use only.



Western blot analysis of SETDB1 antibody and Ramos lysate. Predicted molecular weight ~143 kDa (unmodified) and 170-180 kDa (modified).



Western blot analysis of SETDB1 antibody and 293 cell lysate either nontransfected (Lane 1) or transiently transfected with the SETDB1 gene (2). Predicted molecular weight ~143 kDa (unmodified) and 170-180 kDa (modified).

Description

The SET domain is a highly conserved, approximately 150-amino acid motif implicated in the modulation of chromatin structure. It was originally identified as part of a larger conserved region present in the Drosophila Trithorax protein and was subsequently identified in the Drosophila Su(var)3-9 and 'Enhancer of zeste' proteins, from which the acronym SET is derived. Studies have suggested that the SET domain may be a signature of proteins that modulate transcriptionally active or repressed chromatin states through chromatin remodeling activities.

For additional information on SETDB1 function and histone methylation, visit our SETDB1 Antibody / Histone Methyltransferase Antibody page, which summarizes its roles in chromatin remodeling, transcriptional repression and epigenetic regulation.

Application Notes

Titration of the SETDB1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 1193-1225 from the human protein was used as the immunogen for this SETDB1 antibody.

Storage

Aliquot the SETDB1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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