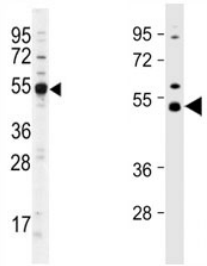
Dnmt2 Antibody (F40544)

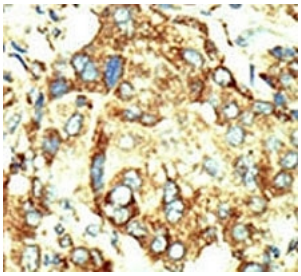
Catalog No.	Formulation	Size
F40544-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F40544-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	O14717
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100
Limitations	This Dnmt2 antibody is available for research use only.



Western blot analysis of Dnmt2 antibody and different lots of mouse cerebellum lysate.



IHC analysis of FFPE human hepatocarcinoma stained with the Dnmt2 antibody

Description

CpG methylation is an epigenetic modification that is important for embryonic development, imprinting, and X-chromosome inactivation. Studies in mice have demonstrated that DNA methylation is required for mammalian development. This gene encodes a protein with similarity to DNA methyltransferases, but this protein does not display methyltransferase activity. The protein strongly binds DNA, suggesting that it may mark specific sequences in the genome. Alternative splicing results in multiple transcript variants encoding different isoforms.

Application Notes

Titration of the Dnmt2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 346-375 from the human protein was used as the immunogen for this Dnmt2 antibody.

Storage

Aliquot the Dnmt2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.