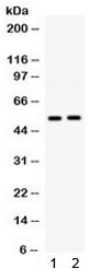
SMYD3 Antibody (R32321)

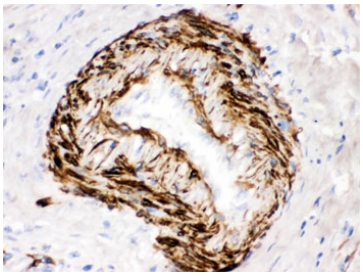
Catalog No.	Formulation	Size
R32321	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
UniProt	Q9H7B4
Localization	Cytoplasmic
Applications	Western blot: 0.1-0.5ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This SMYD3 antibody is available for research use only.



Western blot testing of human 1) HeLa and 2) COLO320 cell lysate with SMYD3 antibody. Expected molecular weight ~49 kDa.



IHC testing of FFPE human intestinal cancer tissue with SMYD3 antibody. HIER: Boil the paraffin sections in pH 6, 10mM citrate buffer for 20 minutes and allow to cool prior to staining.

Description

SET and MYND domain-containing protein 3 is a protein that in humans is encoded by the SMYD3 gene. The International Radiation Hybrid Mapping Consortium mapped the SMYD3 gene to chromosome 1. This gene encodes a histone methyltransferase which functions in RNA polymerase II complexes by an interaction with a specific RNA helicase. Multiple transcript variants encoding different isoforms have been found for this gene.

Application Notes

Optimal dilution of the SMYD3 antibody should be determined by the researcher.

Immunogen

Amino acids QAMKNLRLAFDIMRVTHGREHSLIEDLILLLEECDANIRAS of human SMYD3 were used as the immunogen for the SMYD3 antibody.

Storage

After reconstitution, the SMYD3 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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