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Datasheet for ABIN1724879

anti-DNMT1 antibody (AA 1448-1594)

5 Images

1 Publication

Overview

Quantity:	0.1 mg
Target:	DNMT1
Binding Specificity:	AA 1448-1594
Reactivity:	Human, Monkey
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This DNMT1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Purified recombinant fragment of human DNMT1 (AA: 1448-1594) expressed in E. coli.
Clone:	7C11A2
Isotype:	IgG1
Purification:	purified

Target Details

Target:	DNMT1
Alternative Name:	DNMT1 (DNMT1 Products)
Background:	Description: DNA (cytosine-5-)-methyltransferase 1 has a role in the establishment and regulation of tissue-specific patterns of methylated cytosine residues. Aberrant methylation

Target Details

patterns are associated with certain human tumors and developmental abnormalities. Two transcript variants encoding different isoforms have been found for this gene. , ,
Aliases: AIM, DNMT, MCMT, CXXC9, HSN1E

Molecular Weight: 183.2 kDa

Gene ID: 1786

HGNC: 1786

Pathways: [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

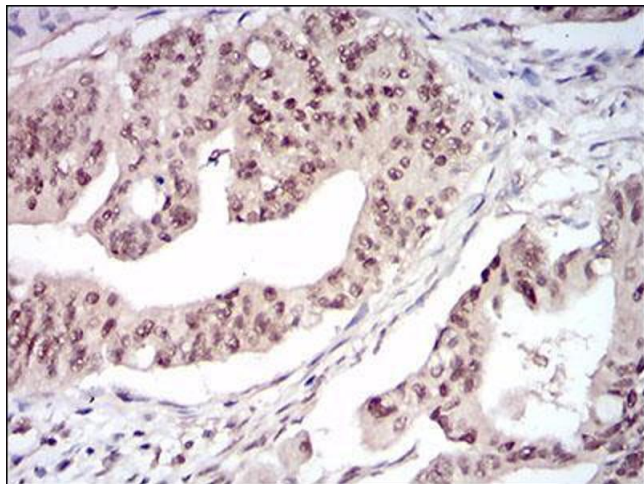
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Armstrong, Corazzari, Martin, Pagliarini, Falasca, Hill, Ellis, Al Sabah, Redfern, Fimia, Piacentini, Lovat: "Oncogenic B-RAF signaling in melanoma impairs the therapeutic advantage of autophagy inhibition." in: **Clinical cancer research : an official journal of the American Association for Cancer Research**, Vol. 17, Issue 8, pp. 2216-26, (2011) ([PubMed](#)).

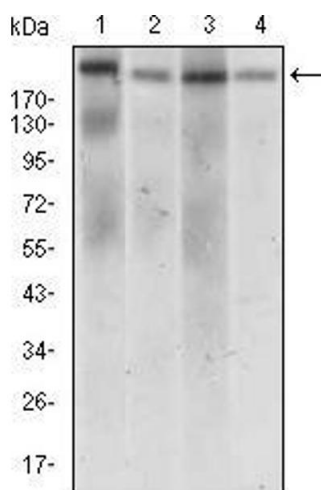
Di Bartolomeo, Corazzari, Nazio, Oliverio, Lisi, Antonioli, Pagliarini, Matteoni, Fuoco, Giunta, DAmelio, Nardacci, Romagnoli, Piacentini, Cecconi, Fimia: "The dynamic interaction of AMBRA1 with the dynein motor complex regulates mammalian autophagy." in: **The Journal of cell**

Images



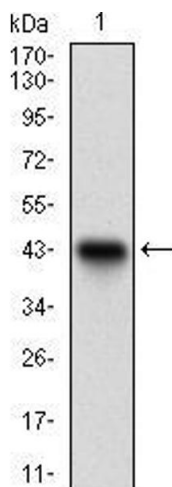
Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded rectum cancer tissues using DNMT1 mouse mAb with DAB staining.



Western Blotting

Image 2. Western blot analysis using IL2RA mouse mAb against Jurkat (1), Cos7 (2), HCT116 (3) and NTERA-2 (4) cell lysate.



Western Blotting

Image 3. Western blot analysis using DNMT1 mAb against human DNMT1 recombinant protein. (Expected MW is 42.6 kDa)

Please check the [product details page](#) for more images. Overall 5 images are available for ABIN1724879.