

Datasheet for ABIN5596952

anti-MORC3 antibody (C-Term)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	100 µL
Target:	MORC3
Binding Specificity:	C-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Morc3 whole rabbit serum was prepared by repeated immunizations with a human Morc3 recombinant protein. Immunogen Type: Recombinant Protein
Cross-Reactivity (Details):	The antibody is specific for human Morc3 in expressed cell lysates. Cross reactivity is seen in mouse Morc3. Cross reactivity to other Morc proteins has not been determined.
Purification:	Morc3 antibody was prepared from monospecific antiserum by delipidation and defibrination.

Target Details

Target:	MORC3
Alternative Name:	Morc3 (MORC3 Products)
Background:	Synonyms: MORC family CW-type zinc finger protein 3, Protein microrchidia, Morc antibody Background: The Morc (microrchidia) family of proteins are ATPases of the GHKL family. They

Target Details

have been implicated in transcriptional repression of genes and transposons, and higher order organization of DNA within the nucleus. Morc antibodies are ideal for researchers interested in Epigenetics, Cancer, and Cell cycle research.

Gene Name: Morc3

Gene ID: 23515

UniProt: [Q14149](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: Application Note: Anti-Morc3 Antibody is suitable for use in Western Blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 107.1 kDa in size corresponding Morc3 by western blotting in the appropriate cell lysate or extract.

Western Blot Dilution: 1:1000-1:5000

ELISA Dilution: 1:20,000-1:50,000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 70 mg/mL

Buffer: 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer: None

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

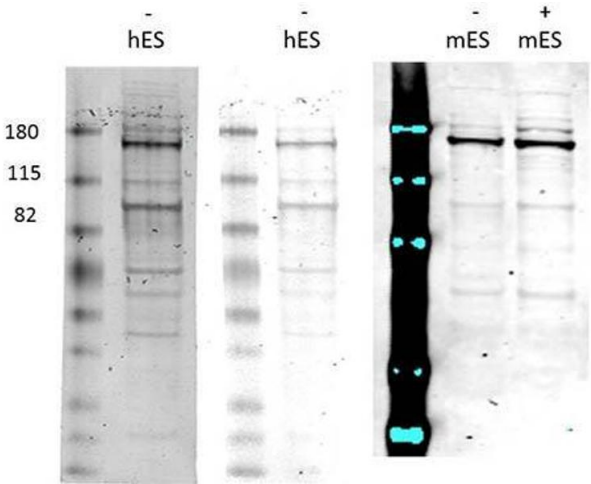
Storage Comment: Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiry Date: 12 months

Publications

Product cited in: Li, Yen, Pastor, Johnston, Du, Shew, Liu, Ho, Stender, Clark, Burlingame, Daxinger, Patel, Jacobsen: "Mouse MORC3 is a GHKL ATPase that localizes to H3K4me3 marked chromatin." in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 113, Issue 35, pp. E5108-16, (2018) ([PubMed](#)).

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-Morc3 antibody. Lane 1: Human embryonic stem cell. Lane 2: Human embryonic stem cell. Lane 3: C-Flag Mouse embryonic stem cell. Lane 4: C-Flag Mouse embryonic stem cell doxycycline induced. Load: 35 µg per lane. Primary antibody: hMorc3 antibody at 1:1000-1:5000 for overnight at 4°C. Secondary antibody: rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 107kDa/ ~170kDa. Other band(s): sumoylated Morc run higher.