

Datasheet for ABIN1449250

anti-MORC3 antibody**2** Images[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	MORC3
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant human MORC3
Clone:	17A9
Isotype:	IgG1
Specificity:	This antibody detects MORC3.
Cross-Reactivity (Details):	Species reactivity (tested): Human, Mouse, Rat
Purification:	Protein A agarose

Target Details

Target:	MORC3
Alternative Name:	MORC3 (MORC3 Products)
Background:	MORC3 { m icr orc hidia (MORC) family CW-type zinc finger 3 , KIAA0136, ZCWCC3 and NXP-2}, is a member of the MORC protein family characterized by the conser ved domains consisting of

Target Details

a GHL (Gyrase B, Hsp90 and MutL)-ATPase domain at the N-terminus, a zinc finger type CW domain containing conserved four cysteines and two tryptophans, a nuclear localization signal (NLS) and coiled-coil domains at the C-terminus. There are four MORC family proteins (MORC1, MORC2, MORC3, and MORC4) in human and five (Morc1, Morc2a, Morc2b, Morc3, and Morc4) in mice. MORC1 is expressed specifically in male germ cells, whereas MORC2 and MORC3 in human are ubiquitously expressed. The autosomal recessive mutation of Morc1 in mice causes the arrest of spermatogenesis early in prophase I of meiosis. Takahashi et al . reported that MORC3 is involved in p53 activation and localization of conditionally localized p53 and constitutively localized Sp100 to promyelocytic leukemia (PML)-nuclear bodies (NBs) through its GHL-ATPase activity. MORC3 is localized in PML-nuclear bodies and entire nucleoplasm except for nucleoli.Synonyms: KIAA0136, MORC family CW-type zinc finger protein 3, ZCWCC3, Zinc finger CW-type coiled-coil domain protein 3

Gene ID: 23515

NCBI Accession: [NP_056173](#)

UniProt: [Q14149](#)

Pathways: [Maintenance of Protein Location](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

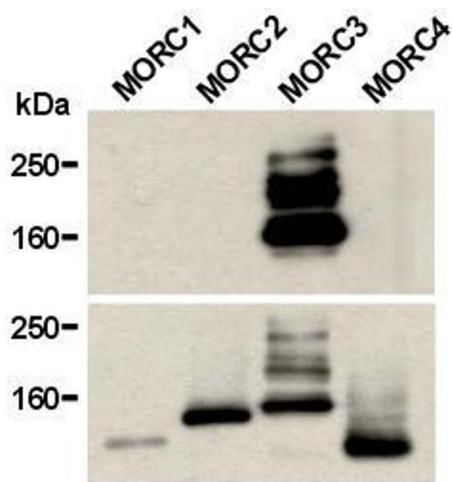
Buffer: PBS containing 50 % glycerol, pH 7.2. No preservative is contained.

Preservative: Without preservative

Handling Advice: Avoid repeated freezing and thawing.

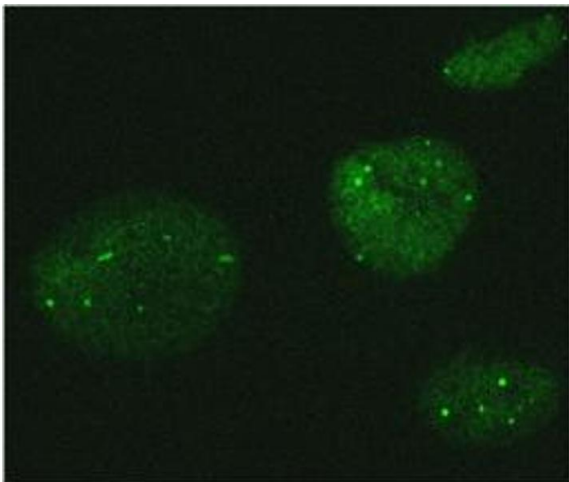
Storage: -20 °C

Storage Comment: Upon receipt, store (in aliquots) at -20 °C.



Western Blotting

Image 1.



Immunofluorescence

Image 2.