

Anti-NPM2 Antibody

Catalog # ABO11299

Product Information

Application	WB
Primary Accession	Q86SE8
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for Nucleoplasmin-2(NPM2) detection. Tested with WB in Human.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	10361
Other Names	Nucleoplasmin-2, NPM2
Calculated MW	24152
Application Details	Western blot, 0.1-0.5 µg/ml, Human
Subcellular Localization	Nucleus . Found in the oocyte nucleus before nuclear membrane breakdown, after which it is redistributed to the cytoplasm. .
Source	Eukaryota
Protein Name	Nucleoplasmin-2
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3.
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human NPM2(25-43aa QERRTWTFRPQLEGKQSCR).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20° C for one year. After r° Constitution, at 4° C for one month. It° Can also be aliquotted and stored frozen at -20° C for a longer time.Avoid repeated freezing and thawing.

Protein Information

Name	NPM2
Function	Core histones chaperone involved in chromatin reprogramming, especially during fertilization and early embryonic development. Probably involved in sperm DNA decondensation during fertilization.
Cellular Location	Nucleus. Note=Found in the oocyte nucleus before nuclear membrane breakdown, after which it is redistributed to the cytoplasm.

Background

NPM2(Nucleophosmin/Nucleoplasmin Family Member 2), Burns et al.(2003) mapped the mouse Npm2 gene to chromosome 14. Burns et al.(2003) found that female Npm2-null mice showed defects in preimplantation embryo development, with abnormalities in oocyte and early embryonic nuclei.

Images



Anti-NPM2 antibody, ABO11299, Western blotting
Lane 1: HELA Cell Lysate
Lane 2: U87 Cell Lysate
Lane 3: A549 Cell Lysate
Lane 4: SMMC Cell Lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.