

ARG55465 anti-RRM1 antibody

Package: 100 µl, 50 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes RRM1
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	RRM1
Species	Human
Immunogen	Recombinant protein of Human RRM1 (NP_001024.1)
Conjugation	Un-conjugated
Alternate Names	Ribonucleoside-diphosphate reductase large subunit; R1; EC 1.17.4.1; Ribonucleoside-diphosphate reductase subunit M1; Ribonucleotide reductase large subunit; RIR1; RR1

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

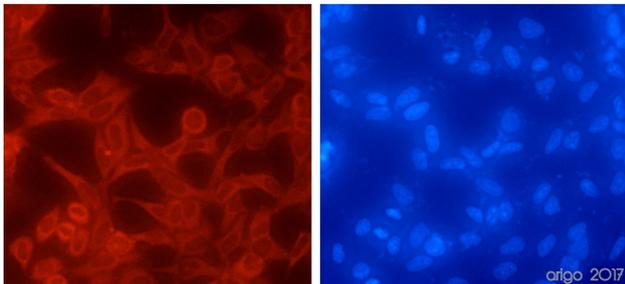
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 20133 Mouse GeneID: 6240 Human Swiss-port # P07742 Mouse Swiss-port # P23921 Human
Gene Symbol	RRM1
Gene Full Name	ribonucleotide reductase M1
Background	This gene encodes one of two non-identical subunits that constitute ribonucleoside-diphosphate reductase, an enzyme essential for the production of deoxyribonucleotides prior to DNA synthesis in S phase of dividing cells. It is one of several genes located in the imprinted gene domain of 11p15.5, an important tumor-suppressor gene region. Alterations in this region have been associated with the Beckwith-Wiedemann syndrome, Wilms tumor, rhabdomyosarcoma, adrenocortical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region. [provided by RefSeq, Jul 2008]
Function	Provides the precursors necessary for DNA synthesis. Catalyzes the biosynthesis of deoxyribonucleotides from the corresponding ribonucleotides. [UniProt]
Research Area	Gene Regulation antibody
Calculated Mw	90 kDa

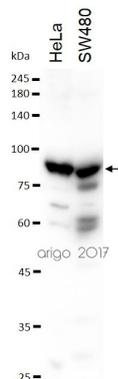
Images



ARG55465 anti-RRM1 antibody ICC/IF image

Immunofluorescence: 100% Methanol fixed (RT, 10 min) HeLa cells stained with ARG55465 anti-RRM1 antibody at 1:50 dilution. Left: primary antibody (red). Right: DAPI (blue).

Secondary antibody: [ARG21917](#) Goat anti-Rabbit IgG antibody (TRITC)



ARG55465 anti-RRM1 antibody WB image

Western blot: 30 µg of HeLa and SW480 cell lysates stained with ARG55465 anti-RRM1 antibody at 1:500 dilution.