RRM1 Antibody

Catalog No: #31118

Package Size: #31118-1 50ul   #31118-2 100ul

Description

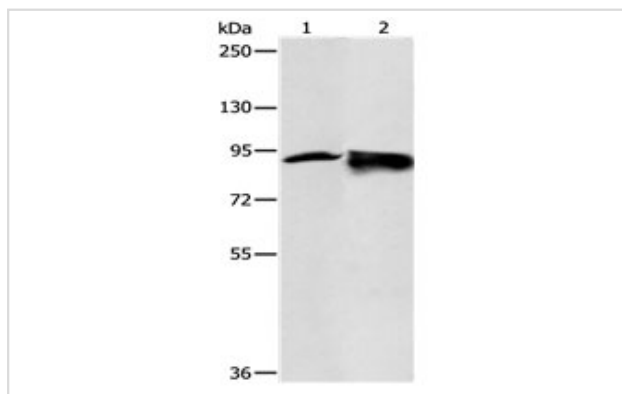|	
Product Name	RRM1 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	ELISA WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total RRM1 protein.
Immunogen Type	Recombinant protein
Immunogen Description	Fusion protein corresponding to C terminal 226 amino acids of human ribonucleotide reductase M1
Target Name	RRM1
Other Names	Ribonucleotide reductase M1, R1; RR1; RIR1
Accession No.	Swiss-Prot:P23921Gene ID:6240;
Uniprot	P23921
GeneID	6240;
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C/1 year

Application Details

Predicted MW: 90kd

ELISA: 1:1000-1:2000

Western blotting: 1:200-1:1000

Immunohistochemistry: 1:25-1:100

Images

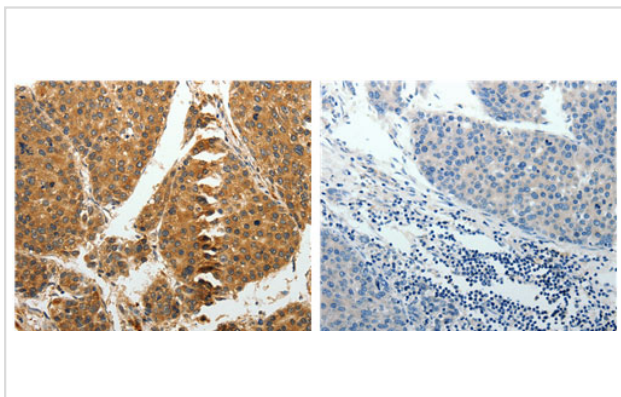Gel: 10%SDS-PAGE
Lane1: Hela cell lysate
Lane2: 231 cell lysate
Lysates: 50 ug per lane
Primary antibody: 1/200 dilution
Secondary antibody: Goat anti Rabbit IgG - H&L (HRP) at
1/10000 dilution
Exposure time: 1 minute

The image on the left is immunohistochemistry of paraffin-embedded human liver cancer tissue using 31118 (RRM1 Antibody) at dilution 1/15, on the right is treated with the fusion protein.

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, adrenocrotical carcinoma, and lung, ovarian, and breast cancer. This gene may play a role in malignancies and disease that involve this region.

Note: This product is for in vitro research use only