

Nur für Forschungszwecke

RRM1 Monoklonaler Antikörper

Katalog-Nr.:60073-2-Ig

Vorgestelltes Produkt

6 Publikationen



Allgemeine Informationen

Katalog-Nr.:
60073-2-Ig

Größe:
150ul, Konzentration: 2000 µg/ml von 6240

Nanodrop und 1000 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:

Maus

Isotyp:

IgG2b

Immunogen Katalognummer:
AG0789

GenBank-Zugangsnummer:
BC006498

GeneID (NCBI):

Vollständiger Name:
ribonucleotide reductase M1

Berechnete Masse:
90 kDa

Beobachtete Masse:
90 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
5H6F3

Empfohlene Verdünnungen:
WB 1:1000-1:4000
IP 0.5-4.0 µg für IP und 1:500-1:2000
für WB
IHC 1:3000-1:8000
IF 1:400-1:1600

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Human

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : K-562-Zellen, HeLa-Zellen

IP : K-562-Zellen,

IHC : humanes Mammakarzinomgewebe, humanes
Kolonkarzinomgewebe, humanes
Lungenkarzinomgewebe, humanes
Pankreaskarzinomgewebe, humanes
Urothelkarzinomgewebe

IF : HepG2-Zellen, HeLa-Zellen, humanes
Mammakarzinomgewebe

Hintergrundinformationen

Ribonucleoside-diphosphate reductase functions as a heterodimer of a large and a small subunits in deoxyribonucleotide synthesis. RRM1 constitutes to the large subunit (R1) of ribonucleotide reductase, and it can either form heterodimer with small subunit RRM or RRM2B(PMID:16376858). RRM1 provides the precursors necessary for DNA synthesis. RRM1 can not be detected in quiescent cells, while its mRNA and protein are present throughout the cell cycle in cycling cells(PMID:8188248). Researches showed that RRM1 is involved in carcinogenesis, tumor progression, and the resistance of non-small-cell lung cancer (NSCLC) to treatment. Low level expression of RRM1 in NSCLC is associated with poor survival(PMID:17314339).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Toru Aoyama	28521448	Oncol Lett	IHC
Donghua Geng	35837166	J Gastrointest Oncol	WB
Sean G Rudd	31950591	EMBO Mol Med	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

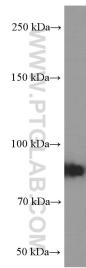
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
in USA), or 1(312) 455-8498 (outside USA)

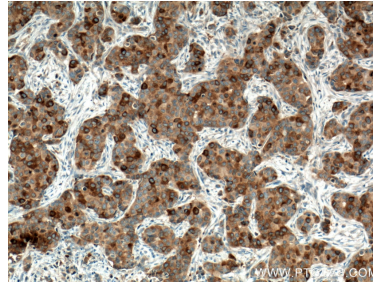
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

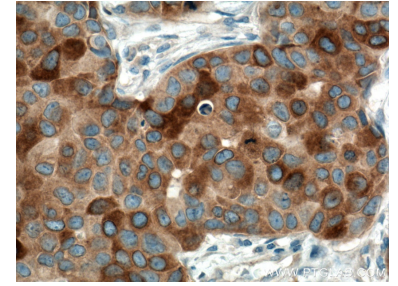
Ausgewählte Validierungsdaten



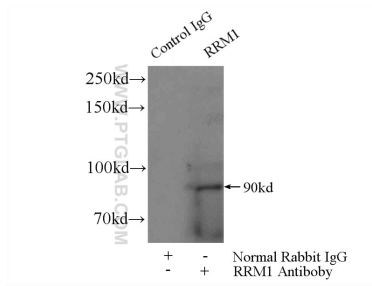
K-562 cells were subjected to SDS PAGE followed by western blot with 60073-2-Ig (RRM1 Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



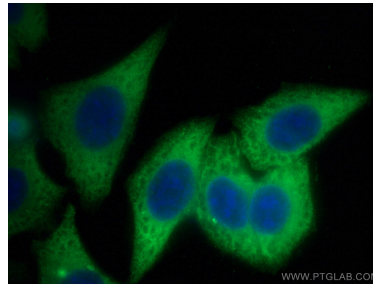
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60073-2-Ig (RRM1 antibody) at dilution of 1:5000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



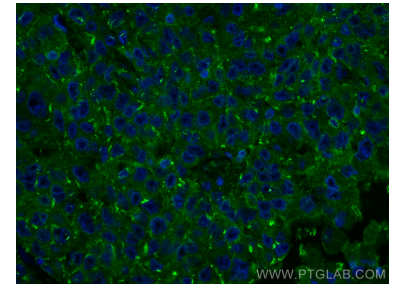
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60073-2-Ig (RRM1 antibody) at dilution of 1:5000 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP Result of anti-RRM1 (IP:60073-2-Ig, 5ug; Detection:60073-2-Ig 1:1000) with K-562 cells lysate 3440ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using RRM1 antibody (60073-2-Ig, Clone: 5H6F3) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using RRM1 antibody (60073-2-Ig, Clone: 5H6F3) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).