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Datasheet for ABIN2778962 anti-HNRNPM antibody (N-Term)

1 Image

2 Publications



Overview

| Quantity: | 100 μL |
|----------------------|---|
| Target: | HNRNPM |
| Binding Specificity: | N-Term |
| Reactivity: | Human, Mouse, Rat, Cow, Pig, Dog, Horse, Rabbit, Guinea Pig |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HNRNPM antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | The immunogen is a synthetic peptide directed towards the N terminal region of human HNRPM |
|-----------------------|---|
| Sequence: | ATEIKMEEES GAPGVPSGNG APGPKGEGER PAQNEKRKEK NIKRGGNRFE |
| Predicted Reactivity: | Cow: 100%, Dog: 93%, Guinea Pig: 93%, Horse: 92%, Human: 100%, Mouse: 92%, Pig: 100%, Rabbit: 93%, Rat: 93% |
| Characteristics: | This is a rabbit polyclonal antibody against HNRPM. It was validated on Western Blot using a cell lysate as a positive control. |
| Purification: | Affinity Purified |
| Target Details | |

Target:

HNRNPM

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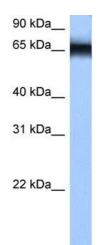
| Target Details | |
|-------------------|---|
| Alternative Name: | HNRPM (HNRNPM Products) |
| Background: | HNRPM belongs to the subfamily of ubiquitously expressed heterogeneous nuclear |
| | ribonucleoproteins (hnRNPs). The hnRNPs are RNA binding proteins and they complex with |
| | heterogeneous nuclear RNA (hnRNA). These proteins are associated with pre-mRNAs in the |
| | nucleus and appear to influence pre-mRNA processing and other aspects of mRNA metabolism |
| | and transport. While all of the hnRNPs are present in the nucleus, some seem to shuttle |
| | between the nucleus and the cytoplasm. The hnRNP proteins have distinct nucleic acid binding |
| | properties. HNRPM has three repeats of quasi-RRM domains that bind to RNAs. HNRPM also |
| | constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated to |
| | trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. This gene |
| | belongs to the subfamily of ubiquitously expressed heterogeneous nuclear ribonucleoproteins |
| | (hnRNPs). The hnRNPs are RNA binding proteins and they complex with heterogeneous nuclear |
| | RNA (hnRNA). These proteins are associated with pre-mRNAs in the nucleus and appear to |
| | influence pre-mRNA processing and other aspects of mRNA metabolism and transport. While |
| | all of the hnRNPs are present in the nucleus, some seem to shuttle between the nucleus and |
| | the cytoplasm. The hnRNP proteins have distinct nucleic acid binding properties. The protein |
| | encoded by this gene has three repeats of quasi-RRM domains that bind to RNAs. This protein |
| | also constitutes a monomer of the N-acetylglucosamine-specific receptor which is postulated |
| | to trigger selective recycling of immature GlcNAc-bearing thyroglobulin molecules. Multiple |
| | alternatively spliced transcript variants are known for this gene but only two transcripts has been isolated. |
| | Alias Symbols: DKFZp547H118, HNRNPM, HNRNPM4, HNRPM4, HTGR1, NAGR1, CEAR, HNRPM, hnRNP M |
| | , Protein Interaction Partner: UBC, TP53, AKAP9, TEKT4, GMCL1P1, LMO2, HNRNPF, SUMO2, |
| | SUMO3, CEP250, MDM2, HAUS1, CDC37, IVNS1ABP, STAU1, SUMO1, RPA3, RPA2, RPA1, EED, |
| | rev, RTCB, RPL26L1, RFC4, PSMB8, NMT1, MRE11A, FLII, IGF2BP3, EIF2B2, EIF2B3, RPL27, |
| | RPL19, DHX9, DDX1, ABCF1, PARK2, |
| | Protein Size: 691 |
| Molecular Weight: | 73 kDa |
| Gene ID: | 4670 |
| NCBI Accession: | NM_031203, NP_112480 |
| UniProt: | P52272 |

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| Application Details | |
|---------------------|--|
| Application Notes: | Optimal working dilutions should be determined experimentally by the investigator. |
| Comment: | Antigen size: 691 AA |
| Restrictions: | For Research Use only |

Handling

| Format: | Liquid |
|--------------------|---|
| Concentration: | Lot specific |
| Buffer: | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Handling Advice: | Avoid repeated freeze-thaw cycles. |
| Storage: | -20 °C |
| Storage Comment: | For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| Publications | |
| Product cited in: | Holmberg, Ingner, Johansson, Leander, Hjalt: "PITX2 gain-of-function induced defects in mous |
| | forelimb development." in: BMC developmental biology, Vol. 8, pp. 25, (2008) (PubMed). |



Western Blotting

Image 1. WB Suggested Anti-HNRPM Antibody Titration: 0.2-1 ug/ml Positive Control: Jurkat cell lysate HNRNPM is strongly supported by BioGPS gene expression data to be expressed in Human Jurkat cells

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