

Rabbit hnRNP K/HNRNPK Polyclonal Antibody | anti-HNRNPK antibody

Anti-hnRNP K/HNRNPK Antibody Picoband

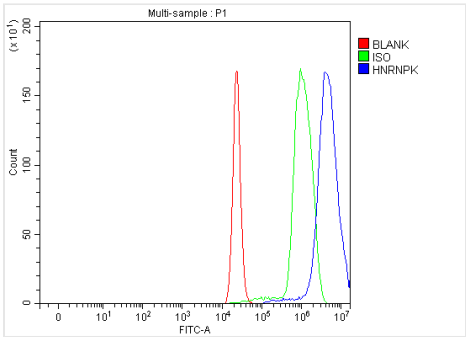
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126175	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

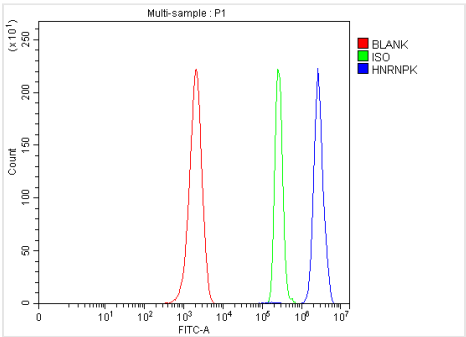
hnRNP K/HNRNPK; Polyclonal Antibody; Anti-hnRNP K/HNRNPK Antibody Picoband; anti-HNRNPK antibody

PRODUCT SPECIFICATIONS

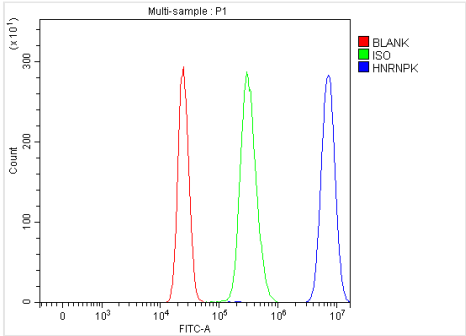
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Rat CCL7
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-HNRNPK antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	15.6 pg/ml - 1,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



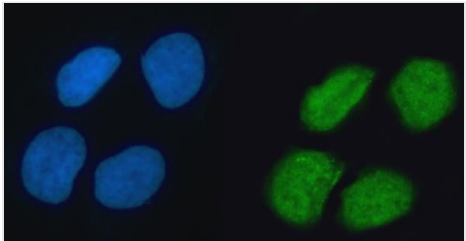
FCM/FACS (Flow Cytometry)
Figure 5. Flow Cytometry analysis of C6 cells using anti-hnRNP K/HNRNPK antibody (AAA126175).Overlay histogram showing C6 cells stained with AAA126175 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-hnRNP K/HNRNPK Antibody (AAA126175, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



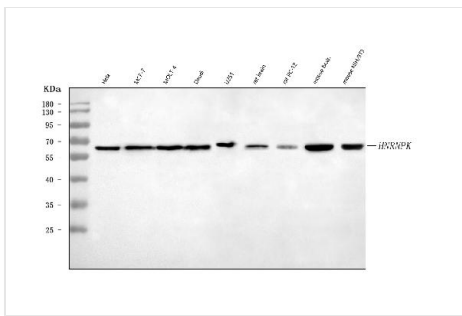
FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of ANA-1 cells using anti-hnRNP K/HNRNPK antibody (AAA126175).Overlay histogram showing ANA-1 cells stained with AAA126175 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-hnRNP K/HNRNPK Antibody (AAA126175, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of HepG2 cells using anti-hnRNP K/HNRNPK antibody (AAA126175).Overlay histogram showing HepG2 cells stained with AAA126175 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-hnRNP K/HNRNPK Antibody (AAA126175, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)
Figure 2. IF analysis of hnRNP K/HNRNPK using anti-hnRNP K/HNRNPK antibody (AAA126175).hnRNP K/HNRNPK was detected in an immunocytochemical section of U2OS cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-hnRNP K/HNRNPK Antibody (AAA126175) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of hnRNP K/HNRNPK using anti-hnRNP K/HNRNPK antibody (AAA126175). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human MCF-7 whole cell lysates, Lane 3: human MOLT-4 whole cell lysates, Lane 4: human Daudi whole cell lysates, Lane 5: human U251 whole cell lysates, Lane 6: rat brain tissue lysates, Lane 7: rat PC-12 whole cell lysates, Lane 8: mouse brain tissue lysates, Lane 9: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-hnRNP K/HNRNPK antigen affinity purified polyclonal antibody (#AAA126175) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for hnRNP K/HNRNPK at approximately 60 kDa. The expected band size for hnRNP K/HNRNPK is at 55 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-HNRNPK antibody	Background: Chemokine(C-C motif) ligand 7(CCL7) is a small cytokine known as a chemokine that was previously called monocyte-specific chemokine 3(MCP3). It belongs to the C-C chemokine family. By fluorescence in situ hybridization, mapped the MCP3 gene to chromosome 17q11.2-q12. MCP3 was identified as a physiologic substrate of gelatinase A. Cleaved MCP3 binds to CC-chemokine receptors-1, -2, and -3, but no longer induces calcium fluxes or promotes chemotaxis, and instead acts as a general chemokine antagonist that dampens inflammation, suggested that matrix metalloproteinases are both effectors and regulators of the inflammatory response.
	Principle of the Assay: The Quick Picokine™ Rat CCL7 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Rat CCL7 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Rat CCL7 with immunogen: Expression system for standard: E.coli; Immunogen sequence: Q24-P97. To measure Rat CCL7, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Rat CCL7 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Rat CCL7 in the sample.
Product Categories/Family for anti-HNRNPK antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	14165439
NCBI GeneID	3190
NCBI Accession #	NP_002131.2
NCBI GenBank Nucleotide #	NM_002140.3
UniProt Accession #	P61978 ; Q07244 ; Q15671 ; Q59F98 ; Q5T6W4 ; Q60577 ; Q922Y7 ; Q96J62

Molecular Weight	50,976 Da
NCBI Official Full Name	heterogeneous nuclear ribonucleoprotein K isoform a
NCBI Official Synonym Full Names	heterogeneous nuclear ribonucleoprotein K
NCBI Official Symbol	HNRNPK
NCBI Official Synonym Symbols	CSBP; TUNP; HNRPK
NCBI Protein Information	heterogeneous nuclear ribonucleoprotein K; dC-stretch binding protein; transformation upregulated nuclear protein
UniProt Protein Name	Heterogeneous nuclear ribonucleoprotein K
UniProt Gene Name	HNRNPK
UniProt Synonym Gene Names	HNRPK; hnRNP K; TUNP
UniProt Entry Name	HNRPK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hnmp-k-hnrnpk-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-western-blot-elisa/126175>