

Datasheet: MCA2622

Description:	MOUSE ANTI hnRNP K
Specificity:	hnRNP K
Other names:	HETEROGENOUS NUCLEAR RIBONUCLEOPROTEIN K
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	F45 P9 C7
Isotype:	IgG1
Quantity:	0.2 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin (1)	▪			1/200 - 1/500
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

(1) This product requires protein digestion pre-treatment of paraffin sections e.g. trypsin or pronase.

Target Species	Synthetic Peptide
Species Cross Reactivity	<p>Reacts with: Rat, Rabbit, Mouse, Chicken, Human</p> <p>N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.</p>
Product Form	Purified IgG - liquid

Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes
Approx. Protein Concentrations	IgG concentration 1.0mg/ml
Immunogen	Ovalbumin-conjugated synthetic peptide SVKQYSGKFF
External Database Links	<p>UniProt: P61978 Related reagents</p> <p>Entrez Gene: 3190 HNRNPK Related reagents</p>
Synonyms	HNRPK
RRID	AB_1102609
Specificity	<p>Mouse anti hnRNP K antibody, clone F45 P9 C7 specifically recognizes hnRNP K (heterogeneous ribonucleotide protein K), a 464 amino acid acidic protein found in the nucleus, cytoplasm and mitochondria, shown to be involved in transcription, mRNA shuttling and the translation and editing of RNA.</p> <p>Over-expression of hnRNP K has been demonstrated in cancerous tissue including that of the colon, breast, liver and lungs, and its involvement in cell migration has been implicated in tumour metastasis. Studies have also shown that hnRNP K increases the transcriptional activity of the <i>c-myc</i> and <i>c-src</i> oncogenes.</p>
Histology Positive Control Tissue	Colon carcinoma
Western Blotting	MCA2622 detects a band of approximately 51kDa in Calu6 and HT29 cell lysates.
References	1. Carpenter, B. <i>et al.</i> (2006) Heterogeneous nuclear ribonucleoprotein K is over expressed, aberrantly localised and is associated with poor prognosis in colorectal cancer. Br J Cancer. 95 (7): 921-7.
Further Reading	1. Bomsztyk, K. <i>et al.</i> (1997) Diverse molecular interactions of the hnRNP K protein. FEBS Lett. 403 (2): 113-5.
Storage	This product is shipped at ambient temperature. It is recommended to aliquot and store at

-20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.

Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.

Guarantee	12 months from date of despatch
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Health And Safety Information	Material Safety Datasheet documentation #10040 available at: 10040: https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf
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Regulatory	For research purposes only
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Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Rabbit Anti Mouse IgG (STAR8...)	DyLight@800
Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight@488 , DyLight@550 , DyLight@650 , DyLight@680 , DyLight@800 , FITC , HRP

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)
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