

Datasheet: MCA2622GA

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:	0.1 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_1102608
Specificity	<p>Mouse anti hnRNP K antibody, clone F45 P9 C7 recognizes hnRNP K (heterogeneous ribonucleotide protein K), a 464 amino acid acidic protein found in the nucleus, cytoplasm and mitochondria, 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. hnRNP K increases the transcriptional activity of the <i>c-myc</i> and <i>c-src</i> oncogenes (Wang et al. 2020).</p>
Histology Positive Control Tissue	Colon carcinoma
Western Blotting	MCA2622GA 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: https://www.bio-rad-antibodies.com/SDS/MCA2622GA 10040
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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 (STAR70...)	FITC
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
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
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (Fc) (STAR120...)	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

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