

## Datasheet: MCA6326

<b>Description:</b>	RABBIT ANTI NFkB p105/p50
<b>Specificity:</b>	NFkB p105/p50
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM299
<b>Isotype:</b>	IgG
<b>Quantity:</b>	0.1 ml

## 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](http://www.bio-rad-antibodies.com/protocols).

	Yes	No	Not Determined	Suggested Dilution
Immunohistology - Paraffin	▪			1/100 - 1/200
Western Blotting	▪			1/100 - 1/200

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.

### Target Species

Human

### Species Cross Reactivity

Based on sequence similarity, is expected to react with:Rat, Mouse

**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.

### Product Form

Purified IgG - liquid

### Preparation

Purified IgG prepared by affinity chromatography of Protein A from animal origin-free culture supernatant

### Buffer Solution

Phosphate buffered saline

### Preservative Stabilisers

0.09% Sodium Azide  
1% Bovine Serum Albumin

50% Glycerol

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**Immunogen** A peptide corresponding to residues in Human NF- $\kappa$ B p105/p50

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**External Database Links**

**UniProt:**

[P19838](#)   [Related reagents](#)

**Entrez Gene:**

[4790](#)   NFKB1   [Related reagents](#)

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**Specificity**

**Rabbit anti Human NFKB p105/p50 antibody** recognizes nuclear factor NF-kappa-B p105 subunit, also known as NFKB1, DNA-binding factor KBF1, EBP-1. NFKB is a transcription factor divided into a family of subunits. NFKB1 is synthesized as a longer precursor protein (p105) that can be proteolytically cleaved into a shorter, DNA-binding form (p50) which can bind other NFKB subunits and elicit a variety of transcriptional responses. p65:p50 heterodimers activate the NFKB response and drive inflammation, whereas p50:p50 homodimers are critical suppressors of the NFKB response ([Cartwright et al. 2016](#)). Dysregulated NFKB signaling is strongly associated with carcinogenesis, and NFKB1 can either act as a tumor promoter or suppressor depending on its interactions. p65:p50 heterodimers are generally pro-inflammatory and pro-tumorigenic, whereas p50:p50 homodimers can have a tumor suppressive effect ([Concetti and Wilson 2018](#)).

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**Storage**

Store at -20°C only.  
Storage in frost-free freezers is not recommended.  
This product should be stored undiluted. Should this product contain a precipitate we recommend microcentrifugation before use

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**Guarantee**

12 months from date of despatch

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**Health And Safety Information**

Material Safety Datasheet documentation #10048 available at:  
<https://www.bio-rad-antibodies.com/SDS/MCA6326>  
10048

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**Regulatory**

For research purposes only

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## Related Products

### Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...)   [FITC](#)

Goat Anti Rabbit IgG (H/L) (STAR124...)   [HRP](#)

Sheep Anti Rabbit IgG (STAR35...)   [RPE](#)

Goat Anti Rabbit IgG (Fc) (STAR121...)   [Biotin](#), [FITC](#), [HRP](#)

Sheep Anti Rabbit IgG (STAR36...)   [DyLight@488](#), [DyLight@680](#), [DyLight@800](#)

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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://bio-rad-antibodies.com/datasheets)

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