

Datasheet: MCA6326

Description:	RABBIT ANTI NFkB p105/p50
Specificity:	NFkB p105/p50
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	RM299
Isotype:	IgG
Quantity:	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.

	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

Immunogen A peptide corresponding to residues in Human NF- κ B p105/p50

External Database Links

UniProt:

[P19838](#) [Related reagents](#)

Entrez Gene:

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

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](#)).

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

Guarantee

12 months from date of despatch

Health And Safety Information

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

Regulatory

For research purposes only

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

