

## Datasheet: MCA6310

<b>Description:</b>	RABBIT ANTI PAXILLIN
<b>Specificity:</b>	PAXILLIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Monoclonal Antibody
<b>Clone:</b>	RM256
<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
Western Blotting	▪			1/1000 - 1/2000
Immunocytochemistry	▪			1/1000 - 1/2000

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: Mouse, Rat

**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 the N-terminus of Human paxillin

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**External Database Links**

**UniProt:**

[P49023](#)    [Related reagents](#)

**Entrez Gene:**

[5829](#)    PXN    [Related reagents](#)

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**Specificity**

**Rabbit anti Human paxillin antibody** recognizes paxillin (PXN). Paxillin is a scaffolding protein, and is a major component of focal adhesions (FAs) required for cell attachment, spreading, and migration. Paxillin is involved with recruiting specific kinases, phosphatases, cofactors, oncoproteins, and structural proteins with downstream roles in intracellular signaling pathways, leading to reorganization of the actin cytoskeleton ([Lopez-Colome et al. 2017](#)). The protein shows dynamic changes in expression via protein-protein interaction and phosphorylation. Abnormal paxillin expression correlates with tumor occurrence, invasion, and metastasis of some cancer types ([Yang et al. 2017](#)). Overexpression of paxillin has been identified in gastric cancer, prostate cancer, hepatocellular carcinoma, and colorectal carcinoma ([Zhao et al. 2015](#)).

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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:  
10048: <https://www.bio-rad-antibodies.com/uploads/MSDS/10048.pdf>

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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](#)

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

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

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)

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