

Datasheet: MCA6033

Description:	MOUSE ANTI CATENIN ALPHA 1
Specificity:	CATENIN ALPHA 1
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	alpha-CAT-7A4
Isotype:	IgG1
Quantity:	50 µg

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)	▪			2 ug/ml - 10 ug/ml
ELISA	▪			0.1 ug/ml - 1 ug/ml
Immunoprecipitation	▪			5 ug/ml
Western Blotting	▪			1 ug/ml
Immunofluorescence	▪			2 ug/ml - 5 ug/ml

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) **Heat-induced epitope retrieval is required for IHC on formalin-fixed paraffin-embedded tissue**

Target Species	Mouse
Species Cross Reactivity	Reacts with: Human, Rat, Chicken, Xenopus laevis N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by peptide-affinity chromatography from ascites
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.1% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	IgG concentration 0.5 mg/ml
Immunogen	Synthetic peptide derived from the C-terminus of mouse catenin alpha 1

**External Database
Links**

UniProt:

[P35221](#) [Related reagents](#)

Entrez Gene:

[1495](#) CTNNA1 [Related reagents](#)

Specificity

Mouse anti catenin alpha 1 antibody clone alpha-CAT-7A4 recognizes catenin alpha 1 also known as alpha E-catenin, cadherin-associated protein or renal carcinoma antigen NY-REN-13.

Catenin alpha 1 is a member of the catenin protein family, which also includes the catenin beta, catenin gamma and catenin delta proteins. Catenin alpha 1 is an important actin binding protein and has also been shown to function as a tumor suppressor ([Piao et al. 2014](#), [Silvis et al. 2014](#)).

Western Blotting

Mouse anti catenin alpha 1 antibody recognizes a band of approximately 100 kDa in HeLa cell lysate

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. 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 #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

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

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