

Datasheet: AHP2563

Description:	RABBIT ANTI CATENIN BETA (pSer33)
Specificity:	CATENIN BETA (pSer33)
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µl

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
Western Blotting	▪			1/500 - 1/1000

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

Product Form Purified IgG - liquid

Antiserum Preparation Antiserum to catenin beta (pSer33) was raised by repeated immunization of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

Buffer Solution Phosphate buffered saline

Preservative 0.02% Sodium Azide
Stabilisers 50% Glycerol

Immunogen Phospho specific-peptide corresponding to residues surrounding serine 33 of human catenin beta

External Database Links

UniProt:

[P35222](https://www.uniprot.org/entry/P35222)

[Related reagents](#)

Entrez Gene:

[1499](#) CTNNB1 [Related reagents](#)

Synonyms

CTNNB

Specificity

Rabbit anti catenin beta (pSer33) antibody recognizes catenin beta, when phosphorylated at serine 33. Catenin beta is a component of adherens junctions protein complexes that are involved in cell adhesion and actin cytoskeleton organization. Catenin beta also plays an important role in the canonical Wnt signaling pathway.

Catenin beta is phosphorylated by either GSK-3 β or homeodomain-interacting protein kinase 2 (HIPK2) at serine 33, leading to the degradation of catenin beta ([Sadot *et al.* 2002](#), [Kim *et al.* 2010](#)).

Further Reading

1. Sadot, E. *et al.* (2002) Regulation of S33/S37 phosphorylated beta-catenin in normal and transformed cells [J Cell Sci. 115 \(Pt 13\): 2771-80.](#)
2. Kim, E.A. *et al.* (2010) Homeodomain-interacting protein kinase 2 (HIPK2) targets beta-catenin for phosphorylation and proteasomal degradation [Biochem Biophys Res Commun. 394 \(4\): 966-71.](#)

Storage

Store at -20°C

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 #10049 available at:
10049: <https://www.bio-rad-antibodies.com/uploads/MSDS/10049.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](#)

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](#)

Recommended Useful Reagents

[TidyBlot WESTERN BLOT DETECTION REAGENT:HRP \(STAR209P\)](#)

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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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