Datasheet: AHP2559

Description:	RABBIT ANTI BCR (pTyr177)
Specificity:	BCR (pTyr177)
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
Immunohistology - Paraffin	▪			1/50 - 1/100
Western Blotting	▪			1/500 - 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
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Antiserum Preparation

Antiserum to BCR (pTyr177) 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 Stabilisers

0.02% Sodium Azide
50% Glycerol

Immunogen

Phospho specific-peptide corresponding to residues surrounding tyrosine 177 of human BCR

External Database Links

UniProt:
P11274 Related reagents

Entrez Gene:
613 BCR Related reagents

Synonyms

BCR1, D22S11

Specificity	**Rabbit anti BCR (pTyr177) antibody** recognizes breakpoint cluster region protein (BCR), also known as Renal carcinoma antigen NY-REN-26, when phosphorylated at tyrosine 177. The BCR protein is a GTPase activating protein and a serine/threonine kinase. A translocation event between chromosomes 9 and 22 results in the fusion of c-ABL and BCR genes and subsequent expression of the BCR/ABL fusion protein (Hantschel and Superti-Furga, 2004). BCR/ABL is associated with chronic myeloid leukaemia (CML). Phosphorylation of tyrosine 177 of BCR (in the BCR/ABL fusion protein) plays a key role in BCR/ABL mediated myeloproliferative disease (MPD) (Quintás-Cardama and Cortes, 2009).
Western Blotting	Due to the presence of phosphoproteins in milk, the use of milk based blocking reagents is not recommended. 1% BSA in PBS or TBS Tween should be used instead.
Further Reading	1. Quintás-Cardama, A. & Cortes, J. (2009) Molecular biology of bcr-abl1-positive chronic myeloid leukemia. Blood. 113 (8): 1619-30.
Storage	Store at -20^{o}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.
Shelf Life	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
Sheep Anti Rabbit IgG (STAR35...)	RPE
Goat Anti Rabbit IgG (H/L) (STAR124...)	HRP
Goat Anti Rabbit IgG (Fc) (STAR121...)	Biotin, FITC, HRP
Sheep Anti Rabbit IgG (2AB02...)	Biotin
Sheep Anti Rabbit IgG (STAR36...)	DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800

Recommended Useful Reagents

TidyBlot™ WESTERN BLOT DETECTION REAGENT:HRP (STAR209P)

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