Datasheet: MCA2407

Description:	MOUSE ANTI PROGESTERONE RECEPTOR (pSer294)
Specificity:	PROGESTERONE RECEPTOR (pSer294)
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	608
Isotype:	IgG1
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
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/1000
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting (1)	▪			1/1000

Where this antibody 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 antibody for use in their own system using appropriate negative/positive controls.

(1)**For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.**

Target Species

Human

Species Cross Reactivity

Based on sequence similarity, is expected to react with:Monkey, Mouse, Rat
N.B. Antibody reactivity and working conditions may vary between species.

Product Form

Purified IgG - liquid

Preparation

Purified IgG prepared by affinity chromatography on Protein G from tissue culture supernatant

Buffer Solution

10mM HEPES pH7.5

Preservative Stabilisers

0.09% Sodium Azide
0.01% Bovine Serum Albumin
50% Glycerol

Immunogen	Synthetic phosphopeptide corresponding to an amino acid sequence within human progesterone receptor which includes phosphorylated serine 294.
External Database Links	**UniProt:** P06401 Related reagents **Entrez Gene:** 5241 PGR Related reagents
Synonyms	NR3C3
Specificity	**Mouse anti progesterone receptor (pSer294) antibody, clone 608** recognizes progesterone receptor (PR), also known as nuclear receptor subfamily 3 group C member 3, when phosphorylated at serine 294. This antibody recognizes both the PR-A and PR-B isoforms of human progesterone receptor, when phosphorylated at serine 294. Progesterone receptor (PR) is a member of the steroid hormone receptor superfamily, and is expressed in a range of tissues, including ovary, endometrium, uterus and placenta, and may play a key role in the regulation and differentiation of mammary glands, The detection of estrogen (ER) and progesterone (PR) receptors using immunohistochemical staining, has gradually replaced ligand binding assays (LBA), to become the most common method for the determination of the ER/PR status of breast tumors. Approximately 75% to 80% of breast tumors have estrogen and/or progesterone receptors, and the presence of these receptors helps determine both the patient's prognosis and the effectiveness of hormonal therapy.
Western Blotting	* For the detection of phosphoproteins, serine phosphatase inhibitors such as 10mM Sodium Fluoride should be added to the sample buffer. Milk or other casein-based blocking solutions are not recommended as casein is a phosphoprotein and its use can result in high background.
References	1. Zhang, Y. *et al.* (1997) Phosphorylation of human progesterone receptor by cyclin-dependent kinase 2 on three sites that are authentic basal phosphorylation sites in vivo. Mol Endocrinol. 11 (6): 823-32.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost-free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation available at: Material Safety Datasheet Documentation #10088 available at: https://www.bio-rad-antibodies.com/uploads/MSDS/10088.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR76...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos., HRP
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos., DyLight®488, DyLight®549, DyLight®649, DyLight®680, DyLight®800, FITC, HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC, HRP
Rabbit Anti Mouse IgG (STAR8...)	DyLight®800
Goat Anti Mouse IgG (STAR70...)	FITC
Human Anti Mouse IgG1 (HCA036...)	HRP

Recommended Negative Controls

MOUSE IgG1 NEGATIVE CONTROL (MCA928)

North & South America Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com

Worldwide Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com

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'M298875:161212'

Printed on 19 Jan 2018

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