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Datasheet for ABIN1881649

## anti-Progesterone Receptor antibody (AA 523-550)

1 Image

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### Overview

Quantity:	400 µL
Target:	Progesterone Receptor (PGR)
Binding Specificity:	AA 523-550
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Progesterone Receptor antibody is un-conjugated
Application:	Western Blotting (WB)

### Product Details

Immunogen:	This PGR antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 523-550 amino acids from the Central region of human PGR.
Clone:	RB41474
Isotype:	Ig Fraction
Predicted Reactivity:	M, Rat
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

### Target Details

Target:	Progesterone Receptor (PGR)
Alternative Name:	PGR ( <a href="#">PGR Products</a> )

## Target Details

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Background:	This gene encodes a member of the steroid receptor superfamily. The encoded protein mediates the physiological effects of progesterone, which plays a central role in reproductive events associated with the establishment and maintenance of pregnancy. This gene uses two distinct promoters and translation start sites in the first exon to produce two isoforms, A and B. The two isoforms are identical except for the additional 165 amino acids found in the N-terminus of isoform B and mediate their own response genes and physiologic effects with little overlap. The location of transcription initiation for isoform A has not been clearly determined.
Molecular Weight:	98981
NCBI Accession:	<a href="#">NP_000917</a> , <a href="#">NP_001189403</a> , <a href="#">NP_001258091</a>
UniProt:	<a href="#">P06401</a>
Pathways:	<a href="#">Nuclear Receptor Transcription Pathway</a> , <a href="#">Intracellular Steroid Hormone Receptor Signaling Pathway</a> , <a href="#">Steroid Hormone Mediated Signaling Pathway</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

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Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

## Handling

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Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

## Publications

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Product cited in:	Dai, Liu, Liu, Zhang, Wang, Jin, Qian, Wang, Zhao, Wu, Xiong, Chang, Sun, Yang, Hoffman, Liu: "Anti-metastatic Efficacy of Traditional Chinese Medicine (TCM) Ginsenoside Conjugated to a VEGFR-3 Antibody on Human Gastric Cancer in an Orthotopic Mouse Model." in: <b>Anticancer research</b> , Vol. 37, Issue 3, pp. 979-986, (2017) ( <a href="#">PubMed</a> ).
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Irrthum, Karkkainen, Devriendt, Alitalo, Vikkula: "Congenital hereditary lymphedema caused by a mutation that inactivates VEGFR3 tyrosine kinase." in: **American journal of human genetics**, Vol. 67, Issue 2, pp. 295-301, (2000) ([PubMed](#)).

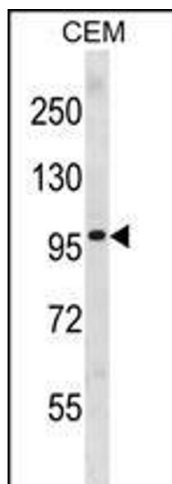
Galland, Karamysheva, Pebusque, Borg, Rottapel, Dubreuil, Rosnet, Birnbaum: "The FLT4 gene encodes a transmembrane tyrosine kinase related to the vascular endothelial growth factor receptor." in: **Oncogene**, Vol. 8, Issue 5, pp. 1233-40, (1993) ([PubMed](#)).

Pajusola, Aprelikova, Korhonen, Kaipainen, Pertovaara, Alitalo, Alitalo: "FLT4 receptor tyrosine kinase contains seven immunoglobulin-like loops and is expressed in multiple human tissues and cell lines." in: **Cancer research**, Vol. 52, Issue 20, pp. 5738-43, (1992) ([PubMed](#)).

Galland, Karamysheva, Mattei, Rosnet, Marchetto, Birnbaum: "Chromosomal localization of FLT4, a novel receptor-type tyrosine kinase gene." in: **Genomics**, Vol. 13, Issue 2, pp. 475-8, (1992) ([PubMed](#)).

## Images

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### Western Blotting

**Image 1.** PGR Antibody (Center) (ABIN1881649 and ABIN2838814) western blot analysis in CEM cell line lysates (35 µg/lane). This demonstrates the PGR antibody detected the PGR protein (arrow).