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Datasheet for ABIN5596977 **anti-RORC antibody (pSer203)**

1 Image

Overview

Quantity:	100 µg
Target:	RORC
Binding Specificity:	pSer203
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This RORC antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Immunogen: Affinity purified Anti-receptor ROR gamma pS203 antibody was prepared from whole rabbit serum produced by repeated immunizations with an internal synthetic peptide phosphorylated at the serine 203 position of mouse receptor ROR gamma protein. Immunogen Type: Peptide
Isotype:	IgG
Cross-Reactivity (Details):	A BLAST analysis was used to suggest reactivity with this protein with <i>Pongo abelii</i> based on 100% homology for the immunogen sequence.
Purification:	Anti-nuclear receptor ROR gamma pS203 is directed against mouse receptor ROR gamma phosphorylated at the serine 203 position. This product is an affinity purified antibody produced by immunoaffinity chromatography using phospho peptide coupled to agarose beads followed by solid phase adsorption(s) against non-phospho peptide to remove any unwanted reactivities.

Target Details

Target:	RORC
Alternative Name:	Nuclear receptor ROR gamma (RORC Products)
Background:	<p>Synonyms: Nr1f3, Rorg, Thor, RAR-related orphan receptor C, Nuclear receptor RZR-gamma, Thymus orphan receptor</p> <p>Background: Anti-Nuclear receptor ROR gamma pS203 was designed, produced, and validated as part of the Joy Cappel Young Investigator Award (JCYIA). Nuclear receptor ROR gamma pS203 antibody detects mouse receptor ROR gamma phosphorylated at the serine 203 position. RAR-related orphan receptor gamma (ROR-γ) is a member of the nuclear receptor family of transcription factors. ROR-γ is a key regulator of cellular differentiation, immunity, peripheral circadian rhythm as well as lipid, steroid, xenobiotics and glucose metabolism. ROR-γ regulates the circadian expression of clock genes such as CRY1, ARNTL/BMAL1 and NR1D1 in peripheral tissues and in a tissue-selective manner. It is also involved in the regulation of the rhythmic expression of genes involved in glucose and lipid metabolism and is a negative regulator of adipocyte differentiation. It controls adipogenesis as well as adipocyte size and modulates insulin sensitivity in obesity. Isoform 2, ROR-γt is essential for lymphoid organogenesis, in particular lymph nodes and Peyer's patches. ROR-γt also plays an important regulatory role in thymopoiesis, and in inhibiting apoptosis of undifferentiated T cells. Anti-nuclear receptor ROR gamma pS203 is ideal for researcher's interested in autoimmune diseases such as psoriasis and rheumatoid arthritis, circadian rhythms, and immune system disorders.</p> <p>Gene Name: Rorc</p>
Gene ID:	19885
NCBI Accession:	NP_001280663
UniProt:	P51450
Pathways:	Nuclear Receptor Transcription Pathway , Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	<p>Application Note: This affinity purified antibody has been tested for use in ELISA and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band ~ 61 kDa in size corresponding to receptor ROR gamma by western blotting in the appropriate cell lysate or extract.</p> <p>Western Blot Dilution: 1 μg/mL</p> <p>ELISA Dilution: 5 μg/mL</p>
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Application Details

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1.05 mg/mL

Buffer: 0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Stabilizer: None

Preservative: Sodium azide

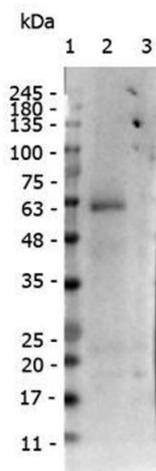
Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.

Expiry Date: 12 months

Images



Western Blotting

Image 1. Western Blot of Rabbit anti-receptor ROR gamma pS203 antibody. Lane 1: Opal PreStained Ladder Lane 2: Wild-type Mouse Thymus. Lane 3: KO Mouse Thymus. Load: 10 µg per lane. Primary antibody: Receptor ROR gamma pS203 antibody at 1 µg/mL for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody at 1:40,000 for 30 min at RT. Block: ABIN925618 for 30 minutes at RT. Predicted/Observed size: 63 kDa for ROR gamma.