

Product datasheet for **SP4490P**

ROR gamma (RORC) (Modulating Domain) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC
Recommended Dilution:	ELISA. Immunohistochemistry on Paraffin Sections: 10 - 15 µg/ml.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic 14 amino acid peptide from modulating domain of human ROR-gamma
Specificity:	Reacts with modulating domain of ROR-gamma / RORC.
Formulation:	PBS containing 0.09% Sodium azide State: Aff - Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	RAR related orphan receptor C
Database Link:	Entrez Gene 6097 Human P51449



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Background:

ROR-gamma, a NR1 thyroid hormone-like receptor, has been shown to affect thymopoiesis, bone metabolism, T-cell apoptosis, and lymphoid organogenesis. ROR gamma has been shown to promote thymocyte survival by activating the expression of the antiapoptotic protein Bcl-x(L). ROR gamma is also required for the development of lymph nodes and Peyer's patches. It has been shown that ROR gamma t, a thymus-specific isoform of ROR gamma from mouse, inhibits Fas ligand expression and cytokine secretion in immature thymocytes. ROR gamma binds as a monomer to response elements composed of a single core motif, GGTCA, preceded by a 6 bp AT-rich sequence.

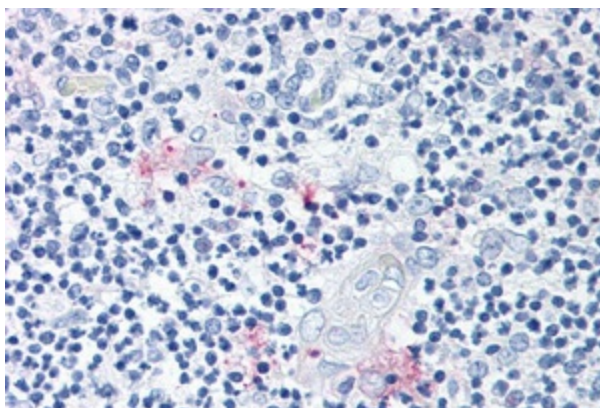
ROR-gamma expression has been documented in mouse thymus, adipose, bone, skeletal muscle, liver, and kidney, and in human skeletal muscle. ESTs have been isolated from human tissue libraries, including cancerous head/neck, germ cell, and prostate, and normal colon, head/neck, lung, liver/spleen, and pancreas.

Synonyms:

Nuclear receptor ROR-gamma, Nuclear receptor RZR-gamma, NR1F3, RORG, RZRG

Protein Families:

Druggable Genome, Transcription Factors

Product images:

Immunohistochemistry staining of human thymus (Formalin-fixed, Paraffin-embedded tissue after heat-induced antigen retrieval) using ROR-gamma / RORC antibody.