

Rabbit RORC / ROR Gamma Polyclonal Antibody | anti-RORC antibody

Rabbit Polyclonal to Human RORC / ROR Gamma

CATALOG # AAA52247	HOST Rabbit	REACTIVITY Human Predicted Reactivity: Monkey, Dog, Rabbit	APPLICATIONS ELISA, Immunohistochemistry
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PRODUCT SYNONYMS

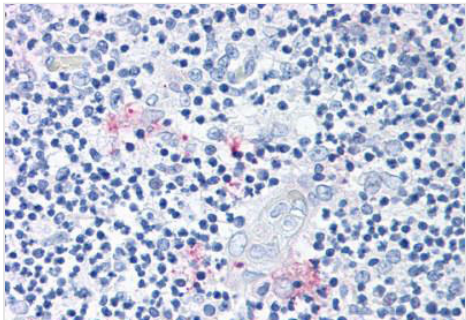
RORC / ROR Gamma; Polyclonal Antibody; Rabbit Polyclonal to Human RORC / ROR Gamma; Anti-RORC / ROR Gamma Antibody (Modulating Domain) IHC-plus; RORC; Nuclear receptor ROR-gamma; Nuclear receptor RZR-gamma; RAR-related orphan receptor C; RORG; RORgamma; TOR; ROR Gamma; RZRG; NR1F3; RZR-GAMMA; Human RORC; anti-RORC antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human Predicted Reactivity: Monkey, Dog, Rabbit
Clonality	Polyclonal
Specificity	Human ROR Gamma. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Purity/Purification	Immunoaffinity Purified
Form/Format	PBS, 0.1% sodium azide.
Concentration	1 mg/ml (varies by lot)
Sequence Length	518
Applicable Applications for anti-RORC antibody	ELISA, IHC (Immunohistochemistry)
Immunogen Species	RORC / ROR Gamma antibody was raised against Human
Immunogen Type	Synthetic peptide
Immunogen	RORC / ROR Gamma antibody was raised against synthetic 14 amino acid peptide from modulating domain of human ROR Gamma. Percent identity with other species by BLAST analysis: Human, Gorilla (100%); Orangutan, Monkey, Dog, Rabbit (93%); Marmoset, Mouse, Rat, Bat, Bovine (86%).
Epitope	Modulating Domain
Disclaimer	Due to the highly specific nature of antibodies and antigens, we cannot predict or be held responsible with respect to how this antibody will behave in your systems. Researchers using this antibody should conduct optimization studies to achieve the most optimal result possible for their intended application.

Recommended Immunohistochemistry Protocol	The following protocol is a recommendation only, and AAA Biotech makes no guarantee of the results: Tissue Preparation: Formalin fixation and embedding in paraffin wax. Tissue Sectioning: Make 4-um sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-dryingoven for 45 minutes at 60°C. Deparaffinization: Wash dry slides in 3 changes of xylene - 5 minutes each @ RT Rehydration: Wash slides in 3 changes of 100% alcohol - 3 minutes each @ RT Wash slides in 2 changes of 95% alcohol - 3 minutes each @ RT Wash slides in 1 change of 80% alcohol - 3 minutes @ RT Rinse slides in gentle running distilled water - 5 minutes @ RT Antigen retrieval: Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) -1 minute @ RT Immunostaining: (Do not allow tissues to dry at any time during the staining procedure) Apply a universal protein block - 20 minutes @ RT Drain protein block from slides, apply diluted primary antibody - 45 minutes @ RT Rinse slides in 1 X TBST - 1 minute @ RT Apply a biotinylated secondary antibody appropriate for the primary antibody - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase streptavidin - 30 minutes @ RT Rinse slides in 1X TBST -1 minute @ RT Apply alkaline phosphatase chromogen substrate - 30 minutes @ RT Wash slides in distilled water - 1 minute @ RT Dehydrate: (This method should only be used if the chromogen substrate is alcohol insoluble (e.g. Vector Red, DAB) Wash slides in 2 changes of 80% alcohol - 1 minute each @ RT Wash slides in 2 changes of 95% alcohol - 1 minute each @ RT Wash slides in 3 changes of 100% alcohol - 1 minute each @ RT Wash slides in 3 changes of xylene - 1 minute each @ RT Apply coverslip Preparation and Storage
	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)
Anti-ROR Gamma antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.

ADDITIONAL INFORMATION

Related Product Information for anti-RORC antibody	ROR Gamma (RORC), an 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.
Product Categories/Family for anti-RORC antibody	Family: NHR; Subfamily: NR1 Thyroid hormone-like

NCBI AND UNIPROT INFORMATION

NCBI GI #	19743909
NCBI GeneID	6097
NCBI Accession #	NP_005051.2
NCBI GenBank Nucleotide #	NM_005060.3
UniProt Accession #	P51449; Q5SZR9; Q8N5V7; Q8NCY8
NCBI Official Full Name	nuclear receptor ROR-gamma isoform a
NCBI Official Synonym Full Names	RAR-related orphan receptor C
NCBI Official Symbol	RORC
NCBI Official Synonym Symbols	TOR; RORG; RZRG; NR1F3; RZR-GAMMA
NCBI Protein Information	nuclear receptor ROR-gamma; nuclear receptor RZR-gamma; retinoic acid-binding receptor gamma; retinoid-related orphan receptor gamma; RAR-related orphan receptor C, isoform a; RAR-related orphan nuclear receptor variant 2; nuclear receptor subfamily 1 group F member 3
UniProt Protein Name	Nuclear receptor ROR-gamma
UniProt Gene Name	RORC
UniProt Synonym Gene Names	NR1F3; RORG; RZRG
UniProt Entry Name	RORG_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/rorc-ror-gamma-antibody-immunohistochemistry-elisa/52247>