Datasheet for ABIN1049298

anti-RORC antibody (Modulating Domain)

2 Images

Go to Product page

Overview

Quantity:	50 µg
Target:	RORC
Binding Specificity:	Modulating Domain
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Application:	ELISA, Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	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%). Type of Immunogen: Synthetic peptide
Specificity:	Human ROR Gamma. BLAST analysis of the peptide immunogen showed no homology with other human proteins.
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla (100%) Orangutan, Monkey, Dog, Rabbit (93%) Marmoset, Mouse, Rat, Bat, Bovine (86%).
Purification:	Immunoaffinity purified

Target Details

Target:	RORC
Alternative Name:	RORC / ROR gamma (RORC Products)
Background:	Name/Gene ID: RORC Subfamily: NR1 Thyroid hormone-like Family: NHR Synonyms: RORC, Nuclear receptor ROR-gamma, Nuclear receptor RZR-gamma, RAR-related orphan receptor C, RORG, RORgamma, TOR, ROR Gamma, RZRG, NR1F3, RZR-GAMMA
Gene ID:	6097
Pathways:	Nuclear Receptor Transcription Pathway, Steroid Hormone Mediated Signaling Pathway

Application Details

Application Notes:	Approved: ELISA, IHC, IHC-P (10 - 15 µg/mL)
Comment:	Target Species of Antibody: Human
Assay Procedure:	**The IHC-pro Immunohistochemistry Protocol** **Tissue Preparation** Formalin fixation and embedding in paraffin wax **Tissue Sectioning** Make 4-µm sections and place on pre-cleaned and charged microscope slides. Heat in a tissue-drying oven for 45 minutes at 60°C Deparaffinization Wash slides in 3 changes of xylene – 5 minutes each at room temperature. **Rehydration** Wash slides in 3 changes of 100% alcohol – 3 minutes each at room temperature. Wash slides in 2 changes of 95% alcohol – 3 minutes each at room temperature. Wash slides in 1 change of 80% alcohol – 3 minutes at room temperature. Rinse slides in gentle running distilled water – 5 minutes at room temperature. **Antigen retrieval** Steam slides in 0.01 M sodium citrate buffer, pH 6.0 at 99-100°C - 20 minutes

Application Details

	Remove from heat and let stand at room temperature in buffer - 20 minutes Rinse in 1X TBS with Tween (TBST) – 1 minute at room temperature. **Immunostaining** Do not allow tissues to dry at any time during the staining procedure. Apply a universal protein block – 20 minutes at room temperature. Drain protein block from slides, apply diluted primary antibody – 45 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply a biotinylated secondary antibody (specific to the host of the primary antibody) - 30 minutes at room temperature. Rinse slides 1X TBST – 1 minute at room temperature. Apply alkaline phosphatase streptavidin – 30 minutes at room temperature. Rinse slides in 1X TBST - 1 minute at room temperature. Apply alkaline phosphatase chromogen substrate – 30 minutes at room temperature. Wash slides in distilled water – 1 minute at room temperature. **Dehydrate** This method should only be used if the chromogen substrate is alcohol insoluble. Wash slides in 2 changes of 80% alcohol – 1 minute each at room temperature. Wash slides in 2 changes of 95% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of 100% alcohol – 1 minute each at room temperature. Wash slides in 3 changes of xylene – 1 minute each at room temperature. Apply coverslip
Restrictions:	For Research Use only

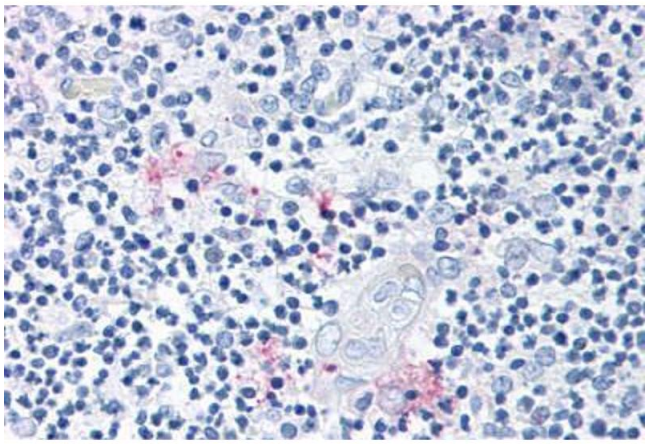
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % 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.

Handling

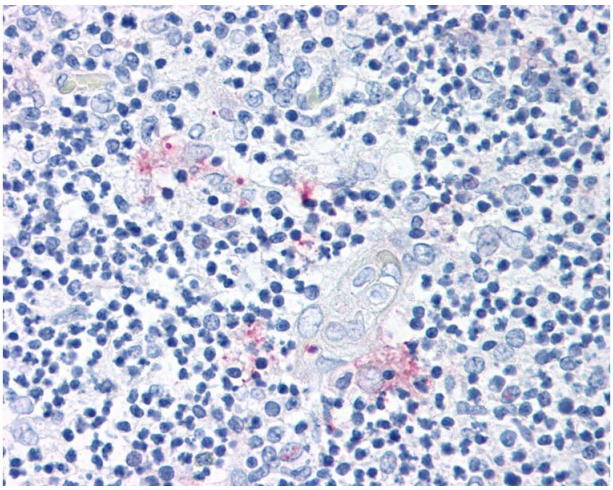
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry

Image 1. Anti-ROR Gamma antibody ABIN1049298 IHC staining of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.



Immunohistochemistry

Image 2. Anti-ROR Gamma antibody IHC of human thymus. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.