abcam

Product datasheet

Human Retinoic Acid Receptor gamma 2 peptide ab39774

Description

Product name	Human Retinoic Acid Receptor gamma 2 peptide
Purity	> 90 % SDS-PAGE.
Animal free	No
Nature	Synthetic
Species	Human
Sequence	RRLYGAAGPGAGLLRR
Amino acids	13 to 28

Specifications

Our **Abpromise guarantee** covers the use of **ab39774** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Neutralising Blocking
Form	Lyophilized

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C. Avoid freeze / thaw cycle.
Reconstitution	Reconstitute with 0.1 ml of distilled water.

General Info

Function	Receptor for retinoic acid. Retinoic acid receptors bind as heterodimers to their target response elements in response to their ligands, all-trans or 9-cis retinoic acid, and regulate gene expression in various biological processes. The RAR/RXR heterodimers bind to the retinoic acid response elements (RARE) composed of tandem 5'-AGGTCA-3' sites known as DR1-DR5. In the absence of ligand, acts mainly as an activator of gene expression due to weak binding to corepressors. Required for limb bud development. In concert with RARA or RARB, required for

	skeletal growth, matrix homeostasis and growth plate function.
Sequence similarities	Belongs to the nuclear hormone receptor family. NR1 subfamily. Contains 1 nuclear receptor DNA-binding domain.
Domain	Composed of three domains: a modulating N-terminal domain, a DNA-binding domain and a C-terminal ligand-binding domain.
Cellular localization	Nucleus.

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