

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human RARRES3 in direct ELISAs. In direct ELISAs, less than 1% cross-reactivity with recombinant human (rh) RARRES1 and rhLatexin is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human RARRES3 Asp12-Lys134 Accession # Q9UL19
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

RARRES3 (Retinoic acid receptor responder 3; also Tig3) is an 18-20 kDa member of the lecithin retinol acyltransferase family of molecules. It is widely expressed, particularly in keratinocytes, and is considered to have multiple functions. These include phospholipase A activity and an ability to both activate type I transglutaminase, and inhibit Ras activation Human RARRES3 is 164 amino acids (aa) in length. It contains a catalytic residue at Cys113, and a hydrophobic membrane-anchoring domain between aa 134-164. Within the cell, RARRES3 appears to be equally distributed between membrane and soluble fractions. RARRES3 is also reported to form higher order multimers. One potential isoform exists that shows a 26 aa substitution for aa 131-164. No meaningful structural ortholog of RARRES3 exists in rodent.

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