

DESCRIPTION

Species Reactivity	Human
Specificity	Recognizes human RARRES3 in Western blots and direct ELISAs. In Western blots and direct ELISAs, no cross-reactivity with recombinant human (rh) RARRES1 or rhLatexin is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 659209
Purification	Protein A or G purified from hybridoma culture supernatant
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 called Tig3 (tazarotene-induced gene 3) or RIG1 (retinoid-inducible gene 1), is an 18 kDa, 164 amino acid (aa) cytoplasmic protein within the LRAT (lecithin retinol acyltransferase) family of growth inhibitory proteins, which are class II tumor-suppressors. RARRES3 is expressed in a variety of cells including epidermal keratinocytes, and may be downregulated in tumor cells and cell lines. It shows phospholipase activity and interaction with type I transglutaminase. A C-terminal hydrophobic region allows perinuclear localization. RARRES3 is not structurally related to other RARRES genes. A canine ortholog shares 72% aa identity within the region used as an immunogen; orthologs are unlikely in rodents.

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