

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse RARRES1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human RARRES1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse RARRES1 Pro42-Phe283 Accession # F6ZIS7
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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

RARRES1 (retinoic acid receptor responder 1; also Tig1) is a member of the protease inhibitor I47 family of proteins. It is expressed in epithelium, including keratinocytes, plus prostate and breast epithelium. It is considered to be a tumor-suppressor molecule, presumably acting as an inhibitor of carboxypeptidase A. Mouse RARRES1 is 283 amino acids (aa) in length. Based on human, it is a type II transmembrane (TM) protein with a TM segment at, or near, aa 75-95. Over aa 42-283, mouse RARRES1 shares 85% and 74% aa identity with rat and human RARRES1, respectively.

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