

## **Human RARRES1 Antibody**

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF4255

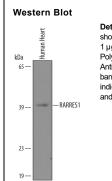
DESCRIPTION	
Species Reactivity	Human
Specificity	Detects human RARRES1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	E. coli-derived recombinant human RARRES1 Pro43-Phe294 Accession # P49788
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

## 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.

	Recommended Concentration	Sample
Western Blot	1 μg/mL	See Below

## DATA



Detection of Human RARRES1 by Western Blot. Western blot shows lysates of human heart tissue. PVDF membrane was probed with 1 µg/mL of Goat Anti-Human RARRES1 Antigen Affinity-purified Polycional Antibody (Catalog # AF4255) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). A specific band was detected for RARRES1 at approximately 40 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE		
Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.	

- 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## 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. Human RARRES1 is 294 amino acids (aa) in length. It is a type II transmembrane (TM) protein with a TM segment between aa 21-42. Three potential splice variants exist. There is a 46 aa N terminal extension, a four aa substitution for aa 225-294 and a combination of these two variants. Over aa 43-294, human RARRES1 shares 75% aa identity with mouse RARRES1.

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