

DESCRIPTION

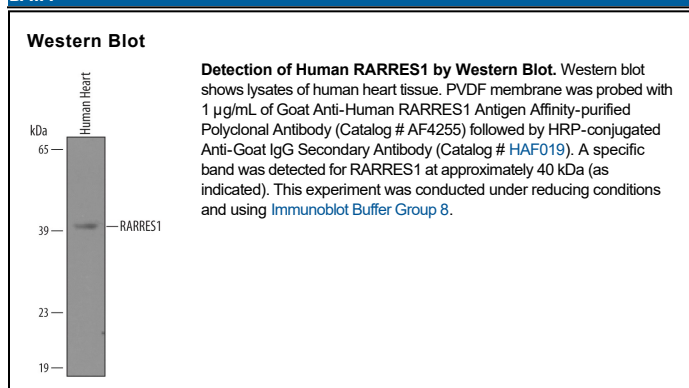
Species Reactivity	Human
Specificity	Detects human RARRES1 in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human RARRES1 Pro43-Phe294 Accession # P49788
Formulation	Lyophilized from a 0.2 µm filtered solution 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



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. <ul style="list-style-type: none"> ● 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.