

DESCRIPTION

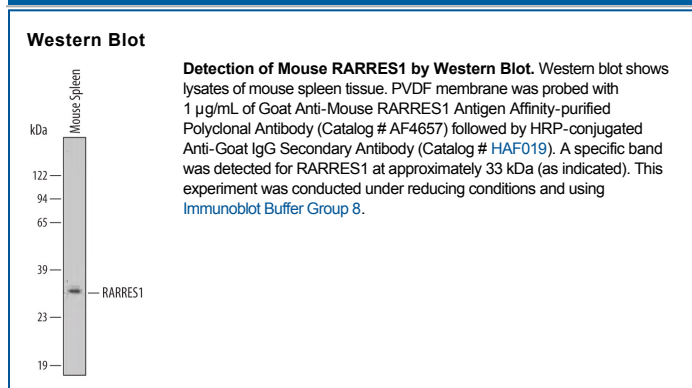
Species Reactivity	Mouse
Specificity	Detects mouse RARRES1 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human RARRES1 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant mouse RARRES1 Pro42-Phe283 Accession # F6ZIS7
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 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
Immunohistochemistry	5-15 µg/mL	Perfusion fixed frozen sections of mouse liver

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. 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.