

DESCRIPTION

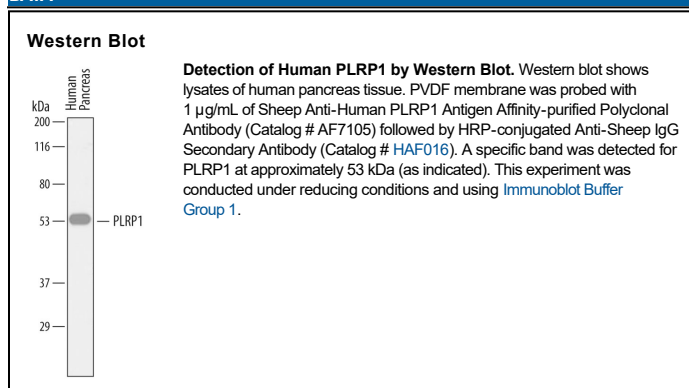
Species Reactivity	Human
Specificity	Detects human PLRP1 in direct ELISAs and Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human PLRP1 Lys18-Cys467 Accession # P54315
Formulation	Lyophilized from a 0.2 µm filtered 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	Sterile PBS to a final concentration of 0.2 mg/mL.
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

PNLIPRP1 (pancreatic lipase related protein 1; also PLRP1) is a secreted 50-55 kDa member of the lipase family, AB hydrolase superfamily of proteins. It is expressed by sublingual gland epithelium (in mouse) and pancreatic acinar cells, and is now suggested to act as a negative regulator of pancreatic lipase (PL) activity by competing with PL for colipase occupancy. Mature human PLRP1 is 450 amino acids (aa) in length (aa 18-467). It contains one PLAT domain (aa 356-467), and a Val196/Ala198 motif that inactivates its otherwise expected intrinsic lipase activity. There are two isoform variants. One shows a 76 aa substitution for aa 111-467, while another shows a seven aa substitution for aa 111-467. Mature human PLRP1 (aa 18-467) shares 83% aa identity with mature mouse PLRP1.