

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human PREP in direct ELISAs and Western blots. In direct ELISAs, approximately 50% cross-reactivity with recombinant mouse PREP is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human PREP Leu2-Pro710 Accession # P48147
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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.
Immunoprecipitation	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

Prolyl Oligopeptidase is a serine peptidase displaying specificity for the cleavage of Pro-Xaa bonds of oligopeptide substrates (1, 2). The peptidase is known to hydrolyze a variety of biologically active peptides such as bradykinin, substance P, neurotensin, and vasopressin (3). Because of its action on neuropeptides, Prolyl Oligopeptidase is considered to be involved in processes such as learning, memory, and depression (4).

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