

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Progranulin in direct ELISAs and Western blots. In Western blots, approximately 15% cross-reactivity with recombinant human Progranulin is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse Progranulin Thr18-Leu589 Accession # P28798
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.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	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

Mouse Progranulin, also known as Proepithelin, PC Cell-derived Growth Factor and Acrogranin, is a secreted protein of 572 amino acid residues. It contains seven and one half granulin repeats which are characterized by 6 disulfide bridges. Progranulin can be converted in vivo to granulins by proteolysis. Progranulin is a mitogen that stimulates proliferation and survival of various epithelial, mesenchymal and tumor cells. Several granulins have also been shown to be biologically active and may play a role in inflammation and wound healing. Mouse Progranulin shares 86% and 75% amino acid sequence homology with rat and human Progranulin, respectively.

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