

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse and human PRTG in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse PRTG Val24-Thr943 Accession # Q2EY15
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 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.
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

Protogenin (Early/proto in expression, neogenin-like; also Prtg) is a 130 kDa (predicted), type I transmembrane member of the DCC/Neogenin family of proteins. It is expressed in mouse presomitic mesoderm, paraxial mesoderm, and neural tube. Mature mouse protogenin is 1168 amino acids (aa) in length. It contains a 920 aa extracellular domain (ECD) (aa 24-943) plus a 224 aa cytoplasmic region. The ECD contains four consecutive Ig-like domains (aa 24-405), followed by five sequential fibronectin type III domains (aa 413-908). The ECD of mouse protogenin shares 98%, 87%, and 93% aa sequence identity with the ECD of rat, chick, and human protogenin, respectively.

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