

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DSPG3 in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 15% cross-reactivity with recombinant mouse DSPG3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DSPG3 Met1-Val322 Accession # Q99645
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.

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

DSPG3, also known as proteoglycan-Lb and Epiphygan, is a 95 - 100 kDa member of the class III subfamily within the SLRP (small leucine-rich proteoglycan) family. The secreted 303 aa mature segment contains multiple sites for O-linked glycanation, and seven leucine-rich repeats, flanked by N- and C-terminal cysteine-rich regions. Human DSPG3 shares 96%, 95%, 85% and 84% aa sequence identity with canine, bovine, rat and mouse DSPG3, respectively. DSPG3 is principally a component of cartilage.

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