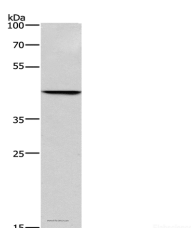


BGN Polyclonal Antibody

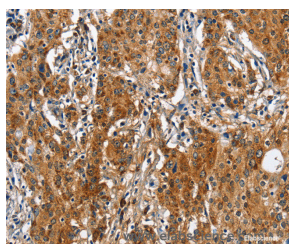
Catalog No.	E-AB-14792	Reactivity	H,M,R
Storage	Store at -20°C. Avoid freeze / thaw cycles.	Host	Rabbit
Applications	WB,IHC,ELISA	Isotype	IgG

Note: Centrifuge before opening to ensure complete recovery of vial contents.

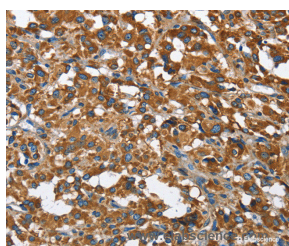
Images



Western Blot analysis of HeLa cell using BGN Polyclonal Antibody at dilution of 1:550



Immunohistochemistry of paraffin-embedded Human gastric cancer using BGN Polyclonal Antibody at dilution of 1:50



Immunohistochemistry of paraffin-embedded Human thyroid cancer using BGN Polyclonal Antibody at dilution of 1:50

Immunogen Information

Immunogen	Recombinant protein of human BGN
Gene Accession	BC002416
Swissprot	P21810
Synonyms	PGI,DSPG1,PG-S1,SLRR1A

Product Information

Calculated MW	42kDa
Buffer	PBS with 0.05% sodium azide and 50% glycerol, PH7.4
Purify	Affinity purification
Dilution	WB 1:200-1:1000, IHC 1:50-1:200

Background

The protein encoded by this gene is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. The encoded protein and decorin are thought to be the result of a gene duplication. Decorin contains one attached glycosaminoglycan chain, while this protein probably contains two chains. For this reason, this protein is called biglycan. This protein plays a role in assembly of collagen fibrils and muscle regeneration. It interacts with several proteins involved in muscular dystrophy, including alpha-dystroglycan, alpha- and gamma-sarcoglycan and collagen VI, and it is critical for the assembly of the dystrophin-associated protein complex.

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Applications:WB-Western Blot IHC-Immunohistochemistry IF-Immunofluorescence IP-Immunoprecipitation FC-Flow cytometry ChIP-Chromatin Immunoprecipitation Reactivity: H-Human R-Rat M-Mouse Mk-Monkey Dg-Dog Ch-Chicken Hm-Hamster Rb-Rabbit Sh-Sheep Pg-Pig Z-Zebrafish X-Xenopus C-Cow.