

Product datasheet for **AP17150PU-N**

Biglycan (BGN) (Center) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/50 - 1/100. ELISA: 1/1,000. Immunohistochemistry on paraffin sections: 1/50 - 1/100.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	KLH conjugated synthetic peptide between 155~184 amino acids selected from the Center region of human BGN
Specificity:	This antibody detects Biglycan at Center.
Formulation:	PBS containing 0.09% (W/V) sodium azide as preservative State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	biglycan
Database Link:	Entrez Gene 633 Human P21810



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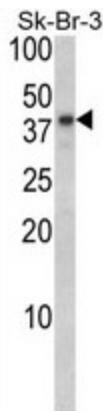
Background: BGN is a small cellular or pericellular matrix proteoglycan that is closely related in structure to two other small proteoglycans, decorin and fibromodulin. The protein and decorin are thought to be the result of a gene duplication. Decorin contains one attached glycosaminoglycan chain, while this protein probably contains two chains. For this reason, this protein is called biglycan. This protein is thought to function in connective tissue metabolism by binding to collagen fibrils and transferring growth factor-beta. It may promote neuronal survival.

Synonyms: Bone/cartilage proteoglycan I, PG-S1, PGS1, BGN, SLRR1A

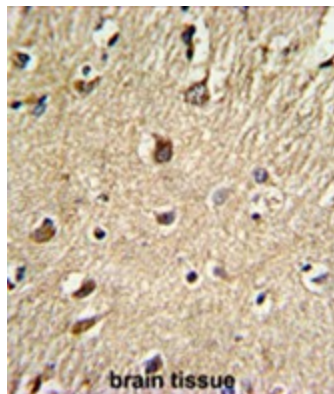
Note: Molecular weight: 41654 Da

Protein Families: Secreted Protein

Product images:



Western blot analysis of BGN Antibody (Center) in Sk-Br-3 cell line lysates (35 ug/lane). BGN (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with BGN Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.