

Datasheet for ABIN2786644

anti-Biglycan antibody (Middle Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µL
Target:	Biglycan (BGN)
Binding Specificity:	Middle Region
Reactivity:	Human, Rat, Mouse, Rabbit, Dog, Cow, Horse, Sheep, Zebrafish (Danio rerio), Guinea Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Biglycan antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the middle region of human BGN
Sequence:	ISEAKLTGIP KDLPETLNEL HLDHNKIQAI ELEDLLRYSK LYRLGLGHNQ
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 79%
Characteristics:	This is a rabbit polyclonal antibody against BGN. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Biglycan (BGN)
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Target Details

Alternative Name:	BGN (BGN Products)
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 gen Alias Symbols: DSPG1, PG-S1, PGI, SLRR1A Protein Interaction Partner: WISP1, TNF, TGFB1, PLA2G1B, MFAP2, ELN, DAG1, COL1A2, COL1A1, COL2A1, COL4A2, BMP4, APOB, APP, SGCA, JPH3, HDL3, CHRD, Protein Size: 368
Molecular Weight:	37 kDa
Gene ID:	633
NCBI Accession:	NM_001711 , NP_001702
UniProt:	P21810
Pathways:	Glycosaminoglycan Metabolic Process

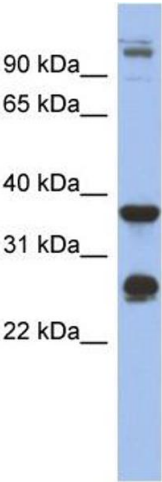
Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 368 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small

aliquots to prevent freeze-thaw cycles.



Western Blotting

Image 1. WB Suggested Anti-BGN Antibody Titration: 0.2-1 ug/ml

ELISA Titer: 1:312500

Positive Control: Human heart