

For Research Use Only

Biglycan Monoclonal antibody

Catalog Number: 67275-1-Ig



Basic Information

Catalog Number: 67275-1-Ig	GenBank Accession Number: BC004244	Purification Method: Protein A purification
Size: 150UL, Concentration: 1000 µg/ml by 633 Bradford method using BSA as the standard;	GeneID (NCBI): 633	CloneNo.: 1E3F2
Source: Mouse	Full Name: biglycan	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG2a	Calculated MW: 42 kDa	
Immunogen Catalog Number: AG8012	Observed MW: 48 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB: pig skin tissue, HepG2 cells, pig colon tissue, mouse testis tissue
Species Specificity: Human, Pig, Mouse	

Background Information

Biglycan is a member of the small leucine-rich proteoglycan (SLRP) family (PMID: 18463092). It consists of a core protein of 42 kDa containing leucine-rich repeats (LRs), to which two chondroitin/dermatan sulfate side chains are covalently bound (PMID: 2212616; 10383378). The tissue-specific chondroitin- or dermatan-sulfate glycosaminoglycan chains of biglycan are attached to amino acid residues at the N-terminus of the core protein (PMID: 22821552). Biglycan is a ubiquitous component of connective tissue matrix and may act as a signaling molecule (PMID: 22821552). Upregulation of biglycan has been reported in multiple types of solid cancer (PMID: 32194659).

Storage

Storage:
Store at -20°C.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

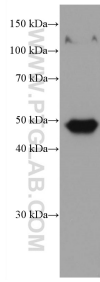
For technical support and original validation data for this product please contact:

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Selected Validation Data



pig skin tissue were subjected to SDS PAGE followed by western blot with 67275-1-Ig (Biglycan antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.