

Biglycan Rabbit pAb

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Catalog # AP52161

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P21810
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41654
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Biglycan
Epitope Specificity	101-200/368
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Secreted, extracellular space, extracellular.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	May be involved in collagen fiber assembly.

Additional Information

Gene ID	633
Other Names	Biglycan, Bone/cartilage proteoglycan I, PG-S1, BGN, SLRR1A
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	BGN
Synonyms	SLRR1A
Function	May be involved in collagen fiber assembly.
Cellular Location	Secreted, extracellular space, extracellular matrix

Tissue Location

Detected in placenta (at protein level) (PubMed:32337544). Found in several connective tissues, especially in articular cartilages.

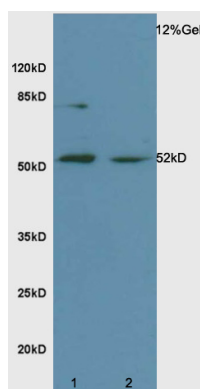
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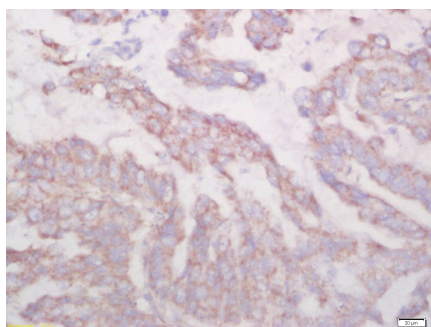
References

Fisher L.W.,et al.J. Biol. Chem. 264:4571-4576(1989).
Fisher L.W.,et al.J. Biol. Chem. 266:14371-14377(1991).
Mallon A.-M.,et al.Genome Res. 10:758-775(2000).
Ross M.T.,et al.Nature 434:325-337(2005).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.

Images



Sample:
Colon (Rat) Lysate at 40 ug
Embryo (Mouse) Lysate at 40 ug
Primary: Anti-Biglycan (AP52161) at 1/300 dilution
Secondary: HRP conjugated Goat-Anti-rabbit IgG (AP52161-HRP) at 1/5000 dilution
Predicted band size: 37 kD
Observed band size: 52 kD



Tissue/cell: human lung carcinoma; 4%
Paraformaldehyde-fixed and paraffin-embedded;
Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;
Incubation: Anti-Biglycan Polyclonal Antibody, Unconjugated(AP52161) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.