Performance guarenteed

Aggrecan Neo Polyclonal Antibody

Product Details

Size	100 µg
Species Reactivity	Bovine, Dog, Human, Mouse, Pig, Rat
Published Species	Rat, Bovine, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Туре	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues C G G N(387) I T E G E(392) of human aggrecan.
Form	Liquid
Concentration	0.83 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2242021

Applications	Tested Dilution	Publications
Western Blot (WB)	1 μg/mL	7 Publications
Immunohistochemistry (IHC)	Assay-dependent	7 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	3 Publications
Immunocytochemistry (ICC/IF)	-	3 Publications

Product Specific Information

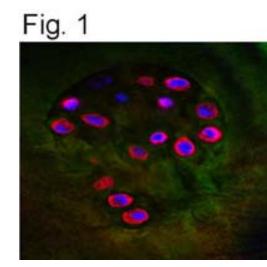
PA1-1746 detects human, rat, mouse, bovine, canine, and porcine aggrecan neo G1.

PA1-1746 has been successfully used in Western blot and immunofluorescence procedures. By Western blot, this antibody detects an ~64 kDa protein representing the neoepitope sequence (NITEGE) generated by aggrecanase-mediated cleavage at Glu373-Ala374 of aggrecan core proteins.

The PA1-1746 immunogen is a synthetic peptide corresponding to residues residues C G G N(387) I T E G E(392) of human aggrecan.

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Product Images For Aggrecan Neo Polyclonal Antibody



Aggrecan Neo Antibody (PA1-1746) in IHC Immunofluorescent analysis of Aggrecan Neo in OA cartilage using a polyclonal antibody (Product # PA1-1746).

View more figures on thermofisher.com

20 References

Western Blot (7)

Inflammopharmacology	Year 2023
Maltol ameliorates intervertebral disc degeneration through inhibiting	
PI3K/AKT/NF-B pathway and regulating NLRP3 inflammasome-mediated pyroptosis.	Species Rat
"PA1-1746 was used in Western Blotting to suggest that MA slowed IDD development through the PI3K/AKT/NF-B signaling pathway and NLRP3 inflammasome-mediated pyroptosis, indicating that MA appeared to be a viable medication for IDD treatment."	
Authors: Gong Y,Qiu J,Jiang T,Li Z,Zhang W,Zheng X,He Z,Chen W,Wang Z,Feng X,Wang M,Hong Z	
Frontiers in pharmacology	Year
Frontiers in pharmacology Selumetinib - a potential small molecule inhibitor for osteoarthritis	Year 2022
Selumetinib - a potential small molecule inhibitor for osteoarthritis	

View more WB references on thermofisher.com

Immunohistochemistry (7)

RMD open Suramin increases cartilage proteoglycan accumulation in vitro and protects against joint damage triggered by papain injection in mouse knees in vivo.	Year 2022 Dilution 1:100
"Published figure using Aggrecan Neo polyclonal antibody (Product # PA1-1746) in Immunohistochemistry"	1.100
Authors: Guns LA, Monteagudo S, Kvasnytsia M, Kerckhofs G, Vandooren J, Opdenakker G, Lories RJ, Cailotto F	
Arthritis & rheumatology (Hoboken, N.J.) Role of Ciliary Protein Intraflagellar Transport Protein 88 in the Regulation of Cartilage Thickness and Osteoarthritis Development in Mice.	Year 2022 Species Mouse
"PA1-1746 was used in Immunohistochemistry to demonstrate that IFT88 is chondroprotective, regulating AC thickness, potentially by thresholding a Hh response to physiological loading that controls cartilage calcification."	Dilution 1:50
Authors: Coveney CR,Zhu L,Miotla-Zarebska J,Stott B,Parisi I,Batchelor V,Duarte C,Chang E,McSorley E,Vincent TL, Wann AKT	

View more IHC references on thermofisher.com

More applications with references on thermofisher.com

IHC (P) (3) ICC/IF (3)

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