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# **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**

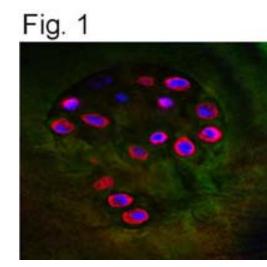
PA1-1746 detects human, rat, mouse, bovine, canine, and porcine aggrecan neo G1.

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).

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# 20 References

## Western Blot (7)

Inflammopharmacology	<b>Year</b> 2023
Maltol ameliorates intervertebral disc degeneration through inhibiting	
PI3K/AKT/NF-B pathway and regulating NLRP3 inflammasome-mediated pyroptosis.	<b>Species</b> 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	<b>Year</b> 2022
Selumetinib - a potential small molecule inhibitor for osteoarthritis	

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# 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.	<b>Year</b> 2022 <b>Dilution</b> 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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