

Datasheet for ABIN625841
anti-Aggrecan antibody (N-Term)

2 Images



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Overview

Quantity:	50 µg
Target:	Aggrecan (ACAN)
Binding Specificity:	N-Term
Reactivity:	Human, Pig, Hamster, Monkey
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Aggrecan antibody is un-conjugated
Application:	Immunohistochemistry (IHC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Brand:	IHC-plus™
Immunogen:	Synthetic 18 amino acid peptide from N-terminus of human ACAN / Aggrecan. Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Hamster, Pig (100%), Mouse, Rat, Bovine, Panda, Horse (94%), Dog, Elephant (89%), Bat (83%). Type of Immunogen: Synthetic peptide
Specificity:	Human ACAN / Aggrecan. BLAST analysis of the peptide immunogen showed no homology with other human proteins, except NCAN (56 %).
Predicted Reactivity:	Percent identity with other species by BLAST analysis: Human, Gorilla, Monkey, Marmoset, Hamster, Pig (100%) Mouse, Rat, Bovine, Panda, Horse (94%) Dog, Elephant (89%) Bat (83%).
Purification:	Immunoaffinity purified

Target Details

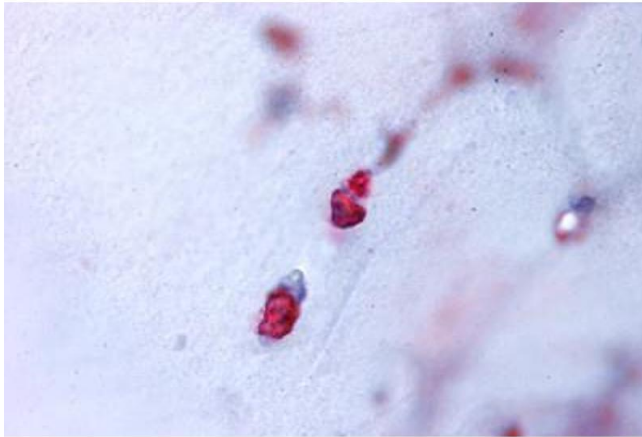
Target:	Aggrecan (ACAN)
Alternative Name:	Aggrecan (ACAN Products)
Background:	Name/Gene ID: ACAN Synonyms: ACAN, AGCAN, Aggrecan core protein, Acg1, Aggrecan, CSPG1, CSPGCP, CSPCP, AGC1, Aggrecan 1, Large aggregating proteoglycan, MSK16, SEDK, MCSPG
Gene ID:	176
Pathways:	Glycosaminoglycan Metabolic Process , Dicarboxylic Acid Transport

Application Details

Application Notes:	Approved: IHC, IHC-P (7 µg/mL) Usage: Immunohistochemistry: This antibody was validated for use in immunohistochemistry on a panel of 21 formalin-fixed, paraffin-embedded (FFPE) human tissues after heat induced antigen retrieval in pH 6.0 citrate buffer. After incubation with the primary antibody, slides were incubated with biotinylated secondary antibody, followed by alkaline phosphatase-streptavidin and chromogen. The stained slides were evaluated by a pathologist to confirm staining specificity. The optimal working concentration for this antibody was determined to be 7 µg/mL.
Comment:	Target Species of Antibody: Human
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	PBS, less than 0.1 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Aliquot and store undiluted at -20°C or below for up to 1 year. Can be stored undiluted at 4°C for up to 1 month. Avoid freeze-thaw cycles.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Human Bone, Cartilage (formalin-fixed, paraffin-embedded) stained with ACAN antibody ABIN625841 at 7 ug/ml followed by biotinylated goat anti-rabbit IgG secondary antibody ABIN481713, alkaline phosphatase-streptavidin and chromogen.



Immunohistochemistry

Image 2. Anti-ACAN / Aggrecan antibody IHC of human bone, cartilage. Immunohistochemistry of formalin-fixed, paraffin-embedded tissue after heat-induced antigen retrieval.