

Datasheet for ABIN1106744 **anti-COL2 antibody**



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Overview

Quantity:	0.1 mg
Target:	COL2
Reactivity:	Human, Mouse, Rat, Chicken, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COL2 antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Functional Studies (Func), Enzyme Immunoassay (EIA)

Product Details

Clone:	M2139
Isotype:	IgG2b
Specificity:	The monoclonal antibody M2139 reacts with the J1 epitope (triple helical position 551-564) of collagen type II. It has been shown to induce CAIA in naive mice after injection of lipopolysaccharide (LPS). However, in combination with the monoclonal antibody CIIC1 (cat.no. AM26375PU-N), binding to the C1 epitope of CII, the pair of monoclonal antibodies induce arthritis in different strains of mice without any other stimulants. The presence of secondary stimulus, LPS, increases the disease incidence and severity.
Cross-Reactivity (Details):	Species reactivity (tested): Human, mouse, rat, bovine, chicken
Purification:	Protein G

Target Details

Target:	COL2
Alternative Name:	Collagen Type II (COL2 Products)
Background:	Collagen is a structural protein in bone, cartilage and connective tissue. Collagen type II (CII) is the major collagen of the nucleus pulposa (a component of spine), cartilage and vitreous (a component of the eye). The most commonly used animal model for rheumatoid arthritis (RA) is the collagen-induced arthritis (CIA). Transfer of collagen type II specific monoclonal antibodies induces an acute form of arthritis (collagen type II antibody induced arthritis, CAIA).Synonyms: COL2, Collagen II
Gene ID:	1280
NCBI Accession:	NP_001835
UniProt:	P02458

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % bovine serum albumin
Storage:	4 °C
Storage Comment:	Store at 2 - 8 °C.