

Datasheet for ABIN7428473
anti-COMP antibody (AA 554-753)

2 Images

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Overview

Quantity:	100 µL
Target:	COMP
Binding Specificity:	AA 554-753
Reactivity:	Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This COMP antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Cartilage Oligomeric Matrix Protein (COMP)
Immunogen:	Recombinant Cartilage Oligomeric Matrix Protein (COMP) corresponding to Gln554~Gln753 (Accession # Q9R0G6)
Clone:	C1
Isotype:	IgG1 kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against COMP. It has been selected for its ability to recognize COMP in immunohistochemical staining and western blotting.
Cross-Reactivity:	Rat
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	COMP
Alternative Name:	Cartilage Oligomeric Matrix Protein (COMP Products)
Background:	MED, EDM1, EPD1, PSACH, THBS5, TSP-5, Pseudoachondroplasia, Epiphyseal Dysplasia 1, Multiple, Thrombospondin 5

Application Details

Application Notes:	Western blotting: 0.2-2 µg/mL 1:500-5000 Immunohistochemistry: 5-20 µg/mL 1:50-200 Immunocytochemistry: 5-20 µg/mL 1:50-200 Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

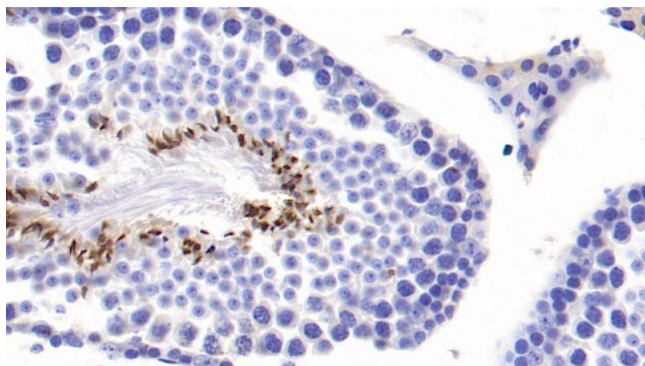
Handling

Format:	Liquid
Buffer:	0.01M PBS, pH 7.4, containing 0.05 % Proclin-300, 50 % glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months



Western Blotting

Image 1. Detection of COMP in Rat Ear lysate using Monoclonal Antibody to Cartilage Oligomeric Matrix Protein (COMP)



Immunohistochemistry

Image 2. Detection of COMP in Mouse Testis Tissue using Monoclonal Antibody to Cartilage Oligomeric Matrix Protein (COMP)