

Anti-COMP/Cartilage oligomeric matrix protein antibody [MA37C94 (HC484D1)] ab11056

★★★★★ **2 Abreviews** **16 References**

概述

产品名称	Anti-COMP/Cartilage oligomeric matrix蛋白抗体[MA37C94 (HC484D1)]
描述	大鼠单克隆抗体[MA37C94 (HC484D1)] to COMP/Cartilage oligomeric matrix蛋白
宿主	Rat
特异性	Ab11056 recognises human COMP/Cartilage oligomeric matrix protein.
经测试应用	适用于: ELISA, IHC-Fr, IHC-P, IP, WB
种属反应性	与反应: Human
免疫原	Full length native protein (purified) corresponding to Human COMP/Cartilage oligomeric matrix protein.
表位	The antibody recognises an epitope located in the central portion of the molecule. Unfortunately, we do not have information regarding the exact region.
常规说明	<p>Storage in frost free freezers is not recommended. Should this product contain a precipitate we recommend microcentrifugation before use.</p> <p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	<p>pH: 7.40</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: Tissue culture supernatant, PBS</p>
纯度	Protein G purified

克隆	单克隆
克隆编号	MA37C94 (HC484D1)
骨髓瘤	NS1
同种型	IgG2a

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab11056于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
ELISA		Use at an assay dependent concentration.
IHC-Fr		Use at an assay dependent concentration.
IHC-P	★★★★★ (2)	Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration.

靶标

功能	May play a role in the structural integrity of cartilage via its interaction with other extracellular matrix proteins such as the collagens and fibronectin. Can mediate the interaction of chondrocytes with the cartilage extracellular matrix through interaction with cell surface integrin receptors. Could play a role in the pathogenesis of osteoarthritis. Potent suppressor of apoptosis in both primary chondrocytes and transformed cells. Suppresses apoptosis by blocking the activation of caspase-3 and by inducing the IAP family of survival proteins (BIRC3, BIRC2, BIRC5 and XIAP). Essential for maintaining a vascular smooth muscle cells (VSMCs) contractile/differentiated phenotype under physiological and pathological stimuli. Maintains this phenotype of VSMCs by interacting with ITGA7.
组织特异性	Abundantly expressed in the chondrocyte extracellular matrix, and is also found in bone, tendon, ligament and synovium and blood vessels. Increased amounts are produced during late stages of osteoarthritis in the area adjacent to the main defect.
疾病相关	Defects in COMP are the cause of multiple epiphyseal dysplasia type 1 (EDM1) [MIM:132400]. EDM is a generalized skeletal dysplasia associated with significant morbidity. Joint pain, joint deformity, waddling gait, and short stature are the main clinical signs and symptoms. EDM is broadly categorized into the more severe Fairbank and the milder Ribbing types. Defects in COMP are the cause of pseudoachondroplasia (PSACH) [MIM:177170]. PSAC is a dominantly inherited chondrodysplasia characterized by short stature and early-onset osteoarthritis. PSACH is more severe than EDM1 and is recognized in early childhood.
序列相似性	Belongs to the thrombospondin family. Contains 4 EGF-like domains. Contains 1 TSP C-terminal (TSPC) domain. Contains 8 TSP type-3 repeats.

发展阶段	Present during the earliest stages of limb maturation and is later found in regions where the joints develop.
结构域	The cell attachment motif mediates the attachment to chondrocytes. It mediates the induction of both the IAP family of survival proteins and the antiapoptotic response. The TSP C-terminal domain mediates interaction with FN1 and ACAN.
细胞定位	Secreted > extracellular space > extracellular matrix.

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