

## 乳腺肿瘤新因子 1 抗体

产品货号： mIR3860

英文名称： CHRDL2

中文名称： 乳腺肿瘤新因子 1 抗体

别名： BNF1; Breast tumor novel factor 1; CHL2; chordin like 2; Chordin like protein 2 precursor; Chordin related protein 2; CRDL2\_HUMAN.

研究领域： 肿瘤 免疫学 生长因子和激素 血管内皮细胞

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Cow, Sheep,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 （石蜡切片需做抗原修复）

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：45kDa

细胞定位：分泌型蛋白

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human CHRDL2:351-429/429

亚型：IgG

纯化方法：affinity purified by Protein A

储存液：0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

保存条件：Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

PubMed：PubMed

产品介绍 background:

CHRD2 is a novel chordin like protein that can act as a BMP antagonist. A member of the chordin family of proteins, it contains a signal peptide and three CR (cysteine-rich repeat) domains. When expressed as a recombinant protein it is secreted and binds to activin A, but not to BMP-2, -4, -6. Differential expression has been detected in developing chondrocytes, myoblasts, osteoblasts, and osteoarthritic joints. Complex alternative splicing of CHRD2 potentially results in distinct isoforms that differ at their C termini, in the expression of signal peptide, and in the content of CR domains. CHRD2 was originally characterized as a novel protein exclusively expressed in breast, lung, and colon tumors.

**Function:**

May inhibit BMPs activity by blocking their interaction with their receptors. Has a negative regulator effect on the cartilage formation/regeneration from immature mesenchymal cells, by preventing or reducing the rate of matrix accumulation (By similarity). Implicated in tumor angiogenesis. May play a role during myoblast and osteoblast differentiation, and maturation.

**Subunit:**

Interacts with GDF5 (By similarity). May interact with BMP2, BMP4, BMP5, BMP6, BMP7 and INHBA.

**Subcellular Location:**

Isoform 1: Secreted (Potential).

Isoform 2: Secreted (Potential).

Isoform 3: Cytoplasm (Potential).

Isoform 4: Cytoplasm (Potential).

Isoform 5: Cytoplasm (Potential).

**Tissue Specificity:**

Highly expressed in uterus. Moderately expressed in heart, liver, prostate, testis and ovary. Weakly expressed in skeletal muscle, kidney, spleen, small intestine and colon. Expressed in the secretory epithelial cells of uterine

endometrium, fallopian tubes, endocervical glands, bladder and prostate, as well as the transitional epithelium of the urinary bladder, and in bone osteoblasts (at protein level). In normal cartilage, expression was confined in a few chondrocytes in the superficial zone as well as in the middle zone. In diseased cartilage coming from osteoarthritic patients, expression was limited to the middle zone of chondrocytes. Isoform 1 and isoform 2 are expressed in fetal cerebellum and heart, while only isoform 2 is detected in fetal spleen. Isoform 2 present in plasma.

**Post-translational modifications:**

Phosphorylation sites are present in the extracellular medium. Isoform 2 is phosphorylated on Ser-402.

**Similarity:**

Contains 3 VWFC domains.

**SWISS:**

Q6WN34

**Gene ID:**

25884

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

CHRD12 原来主要用于乳腺癌的研究，近年来研究发现在肿瘤中也有发现，目前在肺癌，结肠肿瘤的研究中应用较多。

产品图片

