

## 中间丝相关蛋白抗体

产品货号： mlR9181

英文名称： Repetin

中文名称： 中间丝相关蛋白抗体

别名： Intermediate filament associated protein; RPTN; RPTN\_HUMAN.

研究领域： 细胞生物 信号转导 细胞周期蛋白 细胞分化

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Rat, Pig, Cow, Horse,

产品应用： WB=1:500-2000 ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:50-200 （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：91kDa

细胞定位：细胞外基质 分泌型蛋白

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human Repetin:41-140/784

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：Repetin is a 784 amino acid secreted protein that belongs to the S100-fused protein family. Repetin is an extracellular epidermal matrix protein that is expressed in the epidermis and at high levels in

eccrine sweat glands, the inner sheaths of hair roots and the filiform papilli of the tongue. A multifunctional epidermal matrix protein, repetin is involved in the cornified cell envelope formation. Containing two EF-hand domains, repetin's recombinant N-terminal domain binds calcium reversibly. Repetin and trichohyalin may compensate for absent loricrin. The repetin gene contains three exons, two introns and spans at least 5.6 kb. The repetin gene is conserved in cow, mouse and rat, and maps to human chromosome 1q21.3.

**Function:**

Involved in the cornified cell envelope formation. Multifunctional epidermal matrix protein. Reversibly binds calcium.

**Subcellular Location:**

Secreted; extracellular space; extracellular matrix.

**Tissue Specificity:**

Repetin is a multifunctional epidermal matrix protein involved in the cornified cell envelope formation. It reversibly binds calcium. Expression is scattered in the normal epidermis but strong in the acrosyringium, the inner hair root sheath and in the filiform papilli of the tongue.

**Post-translational modifications:**

Potential substrate of transglutaminase. Some arginines are probably converted.

Phosphorylated upon DNA damage, probably by ATM or ATR.

**Similarity:**

Belongs to the S100-fused protein family.

Contains 2 EF-hand domains.

SWISS:

Q6XPR3

Gene ID:

126638

**Important Note:**

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

产品图片

