

## 去泛素化酶 3 抗体

产品货号： mlR4806

英文名称： USP3

中文名称： 去泛素化酶 3 抗体

别名： Deubiquitinating enzyme 3; EC 3.1.2.15; SIH003; Ubiquitin carboxyl-terminal hydrolase 3; Ubiquitin specific peptidase 3; Ubiquitin specific processing protease 3; Ubiquitin Specific Protease 3; Ubiquitin thioesterase 3; Ubiquitin thiolesterase 3; Ubiquitin-specific-processing protease 3; UBP; UBP3\_HUMAN; Usp3.

研究领域： 肿瘤 细胞生物 免疫学 染色质和核信号 信号转导 激酶和磷酸酶 表观遗传学 泛素

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

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 : 59kDa

细胞定位 : 细胞核

性 状 : Lyophilized or Liquid

浓 度 : 1mg/ml

免 疫 原 : KLH conjugated synthetic peptide derived from human USP3:31-130/520

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：** The ubiquitin (Ub) pathway involves three sequential enzymatic steps that facilitate the conjugation of Ub and Ub-like molecules to specific protein substrates. Through the use of a wide range of enzymes that can add or remove ubiquitin, the Ub pathway controls many intracellular processes such as signal transduction, transcriptional activation and cell cycle progression. USP3 (ubiquitin specific peptidase 3), also known as UBP or SIH003, is a 520 amino acid protein that contains one UBP-type zinc finger and belongs to the peptidase C19 family. Expressed ubiquitously with highest levels present in pancreas, USP3 catalyzes the conversion of a ubiquitin C-terminal thioester to a free ubiquitin and a thiol. The gene encoding USP3 maps to human chromosome 15, which houses over 700 genes and comprises nearly 3% of the human genome.

**Function:**

Hydrolase that deubiquitinates monoubiquitinated target proteins such as histone H2A and H2B. Required for proper progression through S phase and subsequent mitotic entry. May regulate the DNA damage response (DDR) checkpoint through deubiquitination of H2A at DNA damage sites. Associates with the chromatin.

**Subunit:**

Interacts (via UBP-type domain) with H2A; the interaction is less efficient than with monoubiquitinated H2A.

**Subcellular Location:**

Nucleus. Localizes preferentially with monoubiquitinated H2A to chromatin.

**Tissue Specificity:**

Expressed in all tissues examined, with strongest expression in pancreas.

**Similarity:**

Belongs to the peptidase C19 family. USP3 subfamily.

Contains 1 UBP-type zinc finger.

**SWISS:**

Q9Y6I4

**Gene ID:**

9960

**Important Note:**

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