

## 着丝粒蛋白 X 抗体

产品货号： mIR18929

英文名称： MHF2/CENPX

中文名称： 着丝粒蛋白 X 抗体

别名： CENP X; CENP-X; CENPX; CENPX\_HUMAN; Centromere protein X; FAAP10; FANCM interacting histone fold protein 2; FANCM-interacting histone fold protein 2; Fanconi anemia associated polypeptide of 10 kDa; Fanconi anemia-associated polypeptide of 10 kDa; MGC14480; Retinoic acid inducible gene D9 protein homolog; Retinoic acid-inducible gene D9 protein homolog; Stimulated by retinoic acid gene 13 protein homolog; STRA13.

研究领域： 细胞生物 免疫学 结合蛋白 表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Cow, Sheep,

产品应用： ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 ICC=1:100-500 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： 9kDa

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 MHF2/CENPX:1-60/81

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 : CENP-X is an 81 amino acid protein that functions as a DNA-binding component of the FA complex for genome maintenance and DNA damage repair. Localizing to chromatin in nucleus and centromere, Stra13 plays a role in muscle integrity by protecting muscle cells from oxidative damage, and Stra13 overexpression has been shown to produce oxidative damage resistance in mice. Stra13 undergoes alternative splicing events to produce three isoforms which are encoded by a gene that maps to human chromosome 17 and mouse chromosome 11. Stra13 plays a role in assembly of the outer kinetochore and is considered a target for myoepithelial cells and metastatic tumors.

#### **Function:**

DNA-binding component of the FA core complex involved in DNA damage repair and genome maintenance. Recruited to forks stalled by DNA interstrand cross-links, and required for cellular resistance to such lesions. Component of the heterotetrameric CENP-T-W-S-X complex that binds and supercoils DNA, and plays an important role in kinetochore assembly. Component of the APITD1/CENPS complex that is essential for the stable assembly of the outer kinetochore. Plays an important role in mitotic progression and chromosome segregation.

#### **Subcellular Location:**

Nucleus. Chromosome > centromere. Chromosome > centromere > kinetochore. Constitutively localizes to

centromeres throughout the cell cycle, and to kinetochores during mitosis.

**Similarity:**

Belongs to the CENPX family.

**SWISS:**

A8MT69

**Gene ID:**

201254

**Important Note:**

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