缺氧诱导蛋白 HIG1 抗体

产品货号： mlR2185

英文名称： TDRD9

中文名称： 缺氧诱导蛋白 HIG1 抗体

别　　名： C14orf75; chromosome 14 open reading frame 75; HIG 1; HIG1; Hypoxia inducible HIG 1; MGC135025; Putative ATP dependent RNA helicase TDRD9; Putative ATP-dependent RNA helicase TDRD9; TDRD 9; Tdrd9; TDRD9_HUMAN ; Tudor domain containing 9; Tudor domain containing protein 9; Tudor domain-containing protein 9.

研究领域： 细胞生物　表观遗传学

抗体来源： Rabbit

克隆类型： Polyclonal

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

产品应用： 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： 155kDa

细胞定位： 细胞核 细胞浆

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human TDRD9/HIG1:801-900/1382

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

Probable ATP-binding RNA helicase which plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Its association with PIWIL4 and the piP-bodies suggests a participation in the secondary piRNAs metabolic process.

Function:

Probable ATP-binding RNA helicase which plays a central role during spermatogenesis by repressing transposable elements and prevent their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and govern the methylation and subsequent repression of transposons. Its association with PIWIL4 and the piP-bodies suggests a participation in the secondary piRNAs metabolic process

Subunit:

Interacts with piRNA-associated proteins PIWIL1 and PIWIL4

Subcellular Location:

Cytoplasm. Nucleus. Component of the nuage, also named P granule, a germ-cell-specific organelle required to repress transposon during meiosis. Specifically localizes to piP-bodies, a subset of the nuage which contains secondary piRNAs. PIWIL2 is required for its localization to piP-bodies.

Similarity:

Belongs to the DEAD box helicase family. DEAH subfamily.

Contains 1 helicase ATP-binding domain.

Contains 1 helicase C-terminal domain.

Contains 1 Tudor domain.

SWISS:

Q8NDG6

Gene ID:

122402

Important Note:

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