血管紧张素Ⅱ2型受体相互作用蛋白抗体

产品货号： mlR6076

英文名称： MTUS1/Angiotensin II Type 2 Receptor

中文名称： 血管紧张素Ⅱ2型受体相互作用蛋白抗体

别　　名： Angiotensin II type 2 receptor interacting protein; AT2 receptor interacting protein; AT2R binding protein; ATIP; ATIP1; Erythroid differentiation related; FLJ14295; GK 1; GK1; KIAA1288; Microtubule associated tumor suppressor 1; Mitochondrial tumor suppressor 1; Mitochondrial tumor suppressor gene 1; MP 44; MP44; MTSG 1; MTSG1; MTUS 1; Transcription factor MTSG1; MTUS1_HUMAN.

研究领域： 肿瘤　细胞生物　免疫学　染色质和核信号　线粒体

抗体来源： Rabbit

克隆类型： Polyclonal

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

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： 141kDa

细胞定位： 细胞膜 线粒体

性　　状： Lyophilized or Liquid

浓　　度： 1mg/ml

免 疫 原： KLH conjugated synthetic peptide derived from human MTUS1.:1151-1270/1270

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**

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产品介绍 ： This gene encodes a protein which contains a C-terminal domain able to interact with the angiotension II (AT2) receptor and a large coiled-coil region allowing dimerization. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. One of the transcript variants has been shown to encode a mitochondrial protein that acts as a tumor suppressor and partcipates in AT2 signaling pathways. Other variants may encode nuclear or transmembrane proteins but it has not been determined whether they also participate in AT2 signaling pathways. [provided by RefSeq, Jul 2008].

Function:

Cooperates with AGTR2 to inhibit ERK2 activation and cell proliferation. May be required for AGTR2 cell surface expression. Together with PTPN6, induces UBE2V2 expression upon angiotensin-II stimulation. Isoform 1 inhibits breast cancer cell proliferation, delays the progression of mitosis by prolonging metaphase and reduces tumor growth.

Subunit:

Homodimer. Interacts with AGTR2. Interacts with PTPN6 (By similarity). Isoform 1 associates with microtubules.

Subcellular Location:

Mitochondrion. Golgi apparatus (By similarity). Cell membrane (By similarity). Nucleus (By similarity). Note=In neurons, translocates into the nucleus after treatment with angiotensin-II (By similarity).

Isoform 1: Cytoplasm, cytoskeleton, centrosome. Cytoplasm, cytoskeleton, spindle. Note=Localizes with the mitotic spindle during mitosis and with the intercellular bridge during cytokinesis.

Tissue Specificity:

Ubiquitously expressed (at protein level). Highly expressed in brain. Down-regulated in ovarian carcinoma, pancreas carcinoma, colon carcinoma and head and neck squamous cell carcinoma (HNSCC). Isoform 1 is the major isoform in most peripheral tissues. Isoform 2 is abundant in most peripheral tissues. Isoform 3 is the major isoform in brain, female reproductive tissues, thyroid and heart. Within brain it is highly expressed in corpus

callosum and pons. Isoform 6 is brain-specific, it is the major isoform in cerebellum and fetal brain.

DISEASE:

Hepatocellular carcinoma (HCC) [MIM:114550]: A primary malignant neoplasm of epithelial liver cells. The major risk factors for HCC are chronic hepatitis B virus (HBV) infection, chronic hepatitis C virus (HCV) infection, prolonged dietary aflatoxin exposure, alcoholic cirrhosis, and cirrhosis due to other causes. Note=The gene represented in this entry may be involved in disease pathogenesis.

Similarity:

Belongs to the MTUS1 family.

SWISS:

Q9ULD2

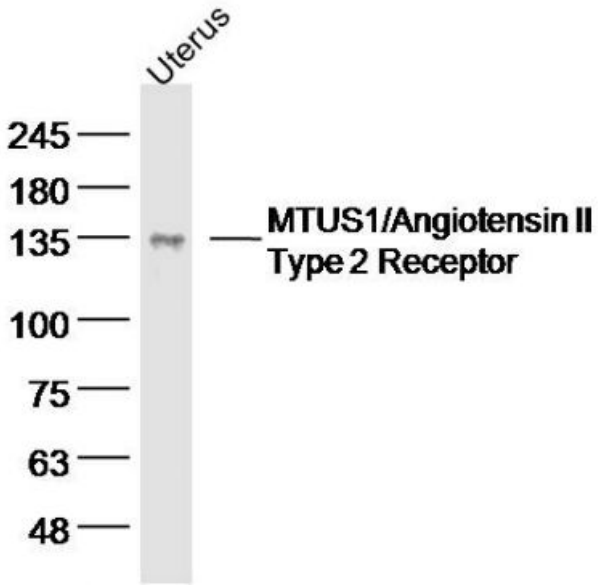
Gene ID:

57509

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


Uterus
245
180
135
100
75
63
48
MTUS1/Angiotensin II
Type 2 Receptor