

还原型辅酶 II 氧化酶 5/烟酰胺腺嘌呤二核苷酸磷酸抗体

产品货号： mlR6845

英文名称： NOX5

中文名称： 还原型辅酶 II 氧化酶 5/烟酰胺腺嘌呤二核苷酸磷酸抗体

别名： NADPH oxidase 5; NADPH oxidase EFhand calcium binding domain 5; NOX5; NOX5_HUMAN; MGC149776; MGC149777.

研究领域： 细胞生物 信号转导 细胞凋亡 细胞周期蛋白

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human, Mouse, Dog, Pig, Cow, Horse, Rabbit,

产品应用： WB=1:500-2000 ELISA=1:500-1000

not yet tested in other applications.

optimal dilutions/concentrations should be determined by the end user.

分子量：84kDa

细胞定位：细胞浆 细胞膜

性状：Lyophilized or Liquid

浓度：1mg/ml

免疫原：KLH conjugated synthetic peptide derived from human NOX5:675-765/765 <Extracellular>

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： Calcium-dependent NADPH oxidase that generates superoxide. Also functions as a calcium-dependent proton channel and may regulate redox-dependent processes in lymphocytes and spermatozoa. May play a role in cell growth and apoptosis.

Function:

Calcium-dependent NADPH oxidase that generates superoxide. Also functions as a calcium-dependent proton channel and may regulate redox-dependent processes in lymphocytes and spermatozoa. May play a role in cell growth and apoptosis. Isoform v2 and isoform v5 are involved in endothelial generation of reactive oxygen species (ROS), proliferation and angiogenesis and contribute to endothelial response to thrombin.

Subcellular Location:

Membrane; Multi-pass membrane protein (Potential). Isoform v2: Endoplasmic reticulum. Isoform v5: Endoplasmic reticulum.

Tissue Specificity:

Mainly expressed in pachytene spermatocytes of testis and in lymphocyte-rich areas of spleen and lymph nodes. Isoform v1 is expressed in spleen. Isoform v2 is expressed in testis. Also detected in ovary, placenta, pancreas, cardiac fibroblasts. Expressed in B-cells and prostate malignant cells. Isoform v1 and isoform v3 are expressed in epithelial colorectal adenocarcinoma cells. Isoform v2 and isoform v4 are expressed in endothelial cells. Isoform v1, isoform v2, isoform v3 and isoform v4 are expressed in pulmonary artery smooth muscle cells. Isoform v2 and isoform v5 are expressed in microvascular endothelial cells (at protein level).

Similarity:

Contains 4 EF-hand domains.

Contains 1 FAD-binding FR-type domain.

Contains 1 ferric oxidoreductase domain.

SWISS:

Q96PH1

Gene ID:

79400

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：

