

产品名称: Nox5 Rabbit Polyclonal Antibody
产品货号: APRab14816



产品概述 (Summary)

产品名称 (Production Name)	Nox5 Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	NOX5
别名 (Alternative Names)	NOX5; NADPH oxidase 5
基因 ID (Gene ID)	79400.0
蛋白 ID (SwissProt ID)	Q96PH1.The antiserum was produced against synthesized peptide derived from human NOX5. AA range:677-726

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:20000-1:40000
蛋白分子量 (Molecular Weight)	86kDa

研究背景 (Background)

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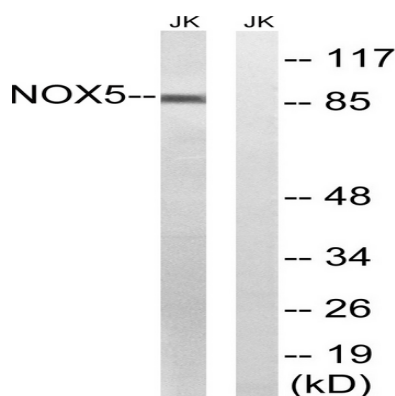


This gene is predominantly expressed in the testis and lymphocyte-rich areas of spleen and lymph nodes. It encodes a calcium-dependent NADPH oxidase that generates superoxide, and functions as a calcium-dependent proton channel that may regulate redox-dependent processes in lymphocytes and spermatozoa. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011], cofactor: FAD, cofactor: Magnesium, developmental stage: Expressed in fetal tissues, enzyme regulation: Activated by calcium which induces conformational changes and interaction between the N-terminal regulatory region and the C-terminal catalytic region. Inhibited by diphenylene iodonium, 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, induction: Down-regulated by TGFβ1, miscellaneous: Isoforms 3 and 4 of this protein have four functional calcium-binding sites. Isoforms 1 and 2 have the third EF-hand domain interrupted by an insert, similarity: Contains 1 FAD-binding FR-type domain, similarity: Contains 1 ferric oxidoreductase domain, similarity: Contains 4 EF-hand domains, tissue specificity: Mainly expressed in pachytene spermatocytes of testis and in lymphocyte-rich areas of spleen and lymph nodes. Isoform 3 is expressed in spleen. Isoform 4 is expressed in testis. Also detected in ovary, placenta, pancreas, cardiac fibroblasts. Expressed in B-cells and prostate malignant cells.

研究领域 (Research Area)

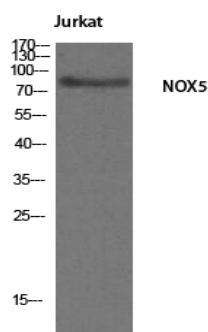
Cell Biology; Other Antibodies; Oxidative Stress; Metabolism; Pathways and Processes; Redox metabolism; Oxidative stress; Plasma Membrane; Channels; Cell Biology; Cell Cycle; Cell differentiation; Apoptosis; Intracellular; Associated Proteins; Signal Transduction

图片 (Image Data)



Western blot analysis of lysates from Jurkat cells, using NOX5 Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of Jurkat cells using Nox5 Polyclonal Antibody

注意事项 (Note)

For research use only .