

NADPH 氧化酶激活蛋白 1 抗体

产品货号： mIR19322

英文名称： NOXA1

中文名称： NADPH 氧化酶激活蛋白 1 抗体

别 名： Antigen NY CO 31; Antigen NY-CO-31; FLJ25475; Inhibitory NADPH oxidase activator 1; MGC131800; NADPH oxidase activator 1; NCF2 like protein; NCF2-like protein; NOX activator 1; NOXA 1; Noxa1; NOXA1_HUMAN; NY CO 31; p51 nox; p51-nox; p51NOX; P67phox like factor; P67phox-like factor; SDCCAG31; Serologically defined colon cancer antigen 31.

研究领域： 细胞生物 免疫学 信号转导

抗体来源： Rabbit

克隆类型： Polyclonal

交叉反应： Human,

产品应用： WB=1:500-2000 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： 51kDa

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 NOXA1:101-200/476

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 : This gene encodes a protein which activates NADPH oxidases, enzymes which catalyze a reaction generating reactive oxygen species. The encoded protein contains four N-terminal tetratricopeptide domains and a C-terminal Src homology 3 domain. Interaction between the encoded protein and proteins in the oxidase regulatory complex occur via the tetratricopeptide domains. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011]

Function:

Functions as an activator of NOX1, a superoxide-producing NADPH oxidase. Functions in the production of reactive oxygen species (ROS) which participate in a variety of biological processes including host defense, hormone biosynthesis, oxygen sensing and signal transduction. May also activate CYBB/gp91phox and NOX3.

Subunit:

NOX1, NOXA1, NOXO1, RAC1 and CYBA forms a functional multimeric complex supporting ROS production. Interaction with YWHAZ prevents the interaction of NOXA1 with NOXO1 and RAC1 and its targeting to membranes, hence reducing its ability to activate NOX1. Interacts (via N-terminus) with SH3PXD2A and SH3PXD2B; the interaction is direct.

Subcellular Location:

Cytoplasm. Cell membrane. Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1.

Tissue Specificity:

Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon.

Post-translational modifications:

Interaction with YWHAZ depends on phosphorylation by PKA.

Similarity:

Belongs to the NCF2/NOXA1 family.

Contains 1 OPR domain.

Contains 1 SH3 domain.

Contains 4 TPR repeats.

SWISS:

Q86UR1

Gene ID:

10811

Important Note:



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