

Catalase Rabbit pAb

货号: AYP11280

产品信息

反应	Human,Mouse,Rat
宿主	Rabbit
克隆性	Polyclonal
预测反应	WB: Mus musculus , Homo sapiens , Bos taurus IF: Mus musculus
应用	WB IHC IF/ICC
推荐浓度	WB: 1:500 - 1:2000 IHC: 1:50 - 1:100 IF/ICC: 1:50 - 1:100
理论分子量	59kDa
实测分子量	60kDa
形式	Liquid
保存条件	Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.01% thiomersal,50% glycerol,pH7.3.
偶联物	Unconjugated
阳性对照	HeLa,U-87MG,Mouse kidney,Mouse liver,Mouse brain,Rat kidney,Rat liver
细胞定位	Peroxisome
纯化	Affinity purification

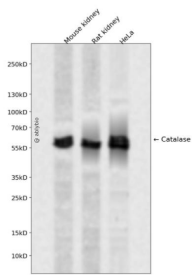
抗原信息

抗原信息	Recombinant fusion protein containing a sequence corresponding to amino acids 1-225 of human Catalase (NP_001743.1).
序列	MADSRDPASDQMQRHWKEQRAAQKADVLTTGAGNPVGDKLNIVITVGRGPLLVQDVVFTDEMAHFDRERIPERVVHAK GAGAFGYFEVTHDITKYSKAKVFEHIGKKTPIAVRFSTVAGESGSADTVRDPGRFAVKFYTEDGNWDLVGNNTPIFFIRDPI LFPSFIHSQKRNPQTHLKDPMWDFWSLRPESLHQVSFLFSDRGIPDGHRHMNGYGSHTFKLVNA

靶点信息

研究背景	This gene encodes catalase, a key antioxidant enzyme in the bodies defense against oxidative stress. Catalase is a heme enzyme that is present in the peroxisome of nearly all aerobic cells. Catalase converts the reactive oxygen species hydrogen peroxide to water and oxygen and thereby mitigates the toxic effects of hydrogen peroxide. Oxidative stress is hypothesized to play a role in the development of many chronic or late-onset diseases such as diabetes, asthma, Alzheimer's disease, systemic lupus erythematosus, rheumatoid arthritis, and cancers. Polymorphisms in this gene have been associated with decreases in catalase activity but, to date, acatalasemia is the only disease known to be caused by this gene.
基因ID	847
基因名	CAT
Swiss	P04040
别名	CAT;catalase;MGC138422;MGC138424

产品验证



Western blot analysis of Catalase expressed in Mouse kidney,Rat kidney,HeLa using Catalase Rabbit pAb at 1:1000. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:5000. Lysates/proteins: 30ug per lane. Blocking buffer: 5% non-fat dry milk in TBST. Detection: ECL Enhanced Kit. Exposure time: 120s.

实验步骤

访问官网浏览详情: www.ablybio.cn