

# Recombinant Anti-8-hydroxydeoxyguanosine antibody (小鼠单克隆抗体)

**K5450345** -20°C


## 产品信息

别名	8-OHdG, 8-hydroxy-2'-deoxyguanosine, 8-oxo-2'-deoxyguanosine, 8-羟基脱氧鸟苷, 8-氧鸟苷
抗体亚型	IgG1
克隆号	SB482
纯化方式	亲和纯化
亚细胞定位	细胞核

## 应用

### IHC/IF 免疫组织化学/免疫荧光

物种: Species independent

稀释比: 1: 200-1: 800

阳性样品: 非酒精性脂肪性肝病, 肿瘤

## 背景

8-hydroxydeoxyguanosine (8-OHdG) is a derivative of deoxyguanosine nucleotide with a hydroxyl group attached to the C8 carbon. This modification alters the base of the DNA molecule, thereby affecting its stability and function. It is an oxidative adduct produced when reactive oxygen species such as hydroxyl radicals and singlet oxygen attack the 8th carbon atom of the guanine base in the DNA molecule. This oxidative reaction is one of the main forms of DNA damage and is closely related to the aging of the body and the occurrence of diseases such as cancer, cardiovascular diseases, diabetes, and neurodegenerative diseases. As a biomarker of DNA oxidative damage caused by endogenous and exogenous factors, 8-OHdG is a very promising indicator.

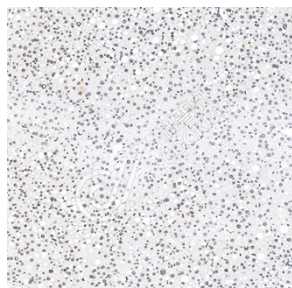
## 储存条件

**储存条件:** 自收到之日起 -20°C下储存一年, 避免反复冻融。  
**储存缓冲液:** 含 0.15% ProClin300 防腐剂, 100 μg/mL 牛血清白蛋白和 50%甘油的磷酸盐缓冲液。

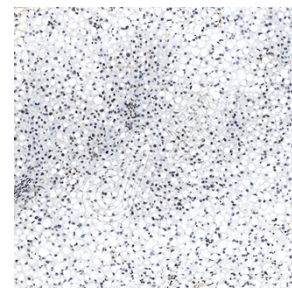
## 图像



IHC 检测 8-hydroxydeoxyguanosine 蛋白(货号 K5450345).  
 样品: 肿瘤, 4%多聚甲醛 (货号 KSG1101) 固定 12-24 小时.  
 抗原修复: Tris-EDTA 抗原修复液(pH 9.0) (KSG1203), 100°C, 25 分钟.  
 一抗: 1: 500 稀释, 4°C 孵育过夜.  
 二抗: S-vision 免疫组化多聚二抗(山羊抗小鼠), 即用型 (货号 KB3903), 室温孵育 20 分钟.



IHC 检测 8-hydroxydeoxyguanosine 蛋白(货号 K5450345).  
 样品: 小鼠非酒精性脂肪性肝病, 4%多聚甲醛 (货号 KSG1101) 固定 12-24 小时.  
 抗原修复: Tris-EDTA 抗原修复液(pH 9.0) (KSG1203), 100°C, 25 分钟.  
 一抗: 1: 500 稀释, 4°C 孵育过夜.  
 二抗: S-vision 免疫组化多聚二抗(山羊抗小鼠), 即用型 (货号 KB3903), 室温孵育 20 分钟.



IHC 检测 8-hydroxydeoxyguanosine 蛋白(货号 K5450345).  
 样品: 大鼠非酒精性脂肪性肝病, 4%多聚甲醛 (货号 KSG1101) 固定 12-24 小时.  
 抗原修复: Tris-EDTA 抗原修复液(pH 9.0) (KSG1203), 100°C, 25 分钟.  
 一抗: 1: 500 稀释, 4°C 孵育过夜.  
 二抗: S-vision 免疫组化多聚二抗(山羊抗小鼠), 即用型 (货号 KB3903), 室温孵育 20 分钟.

**For Research Use Only!**
**Ver. No.: V1-202603**