

## 兔抗 MIOX 多克隆抗体

中文名称：兔抗 MIOX 多克隆抗体

英文名称：Anti-MIOX rabbit polyclonal antibody

别名：ALDRL6

相关类别：一抗

抗原：MIOX

储存：冷冻（-20℃）

宿主：Rabbit

反应种属：Human

标记物：Unconjugate

克隆类型：rabbit polyclonal

### 技术规格

#### Background:

Myo-inositol oxygenase (MIOX), also known as ALDRL6, is a renal-specific member of the Aldo-keto reductase family. It catalyzes the first committed step in the Myo-inositol metabolism pathway and is widely distributed in mammalian tissues. Human Myo-inositol oxygenase shares 91% and 96% sequence homology with mouse and pig Myo-inositol oxygenase homologs, respectively. Myo-inositol oxygenase is responsible for the oxidative cleavage of Myo-inositol (MI) and its epimer D-chiro inositol (DCI) to D-glucuronate. The dioxygen-dependent cleavage of the C1-C6 bond in Myo-inositol is accomplished through the utilization of the Fe(II)/Fe(III) binuclear iron center of MIOX. Myo-inositol oxygenase has also been implicated in complications of diabetes, including diabetic nephropathy.

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|------------------------------------|--------------------------------------|
| <b>Applications:</b>               | ELISA, IHC                           |
| <b>Name of antibody:</b>           | MIOX                                 |
| <b>Immunogen:</b>                  | Full length fusion protein           |
| <b>Full name:</b>                  | myo-inositol oxygenase               |
| <b>Synonyms :</b>                  | ALDRL6                               |
| <b>SwissProt:</b>                  | Q9UGB7                               |
| <b>ELISA Recommended dilution:</b> | 5000-10000                           |
| <b>IHC positive control:</b>       | Human brain and Human thyroid cancer |
| <b>IHC Recommend dilution:</b>     | 20-100                               |

