

**产品名称: D4DR Rabbit Polyclonal Antibody**

**产品货号: APRab09770**

### 产品概述 (Summary)

|                   |                                                                                                   |
|-------------------|---------------------------------------------------------------------------------------------------|
| 描述(Description)   | Rabbit polyclonal Antibody                                                                        |
| 宿主(Host)          | Rabbit                                                                                            |
| 应用(Application)   | WB,ICC/IF,ELISA                                                                                   |
| 种属反应(Reactivity)  | Human,Mouse,Rat                                                                                   |
| 偶联物(Conjugation)  | Unconjugated                                                                                      |
| 修饰(Modification)  | Unmodified                                                                                        |
| 同种型(Isotype)      | IgG                                                                                               |
| 克隆(Clonality)     | Polyclonal                                                                                        |
| 剂型(Form)          | Liquid                                                                                            |
| 保存条件(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 (Purification) | Affinity purification                                                                             |

### 产品应用(Application)

|                       |                                                           |
|-----------------------|-----------------------------------------------------------|
| 稀释比(Dilution Ratio)   | WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000 |
| 分子量(Molecular Weight) | 48kDa                                                     |

### 抗原信息(Antigen Information)

|                       |                                                                                                  |
|-----------------------|--------------------------------------------------------------------------------------------------|
| 基因名(Gene Name)        | DRD4                                                                                             |
| 别名(Alternative Names) | DRD4; D(4) dopamine receptor; D(2C) dopamine receptor; Dopamine D4 receptor                      |
| 基因 ID(Gene ID)        | 1815.0                                                                                           |
| SwissProt ID          | P21917                                                                                           |
| 免疫原(Immunogen)        | The antiserum was produced against synthesized peptide derived from human DRD4. AA range:355-404 |

### 研究背景 (Background)

This gene encodes the D4 subtype of the dopamine receptor. The D4 subtype is a G-protein coupled receptor which inhibits adenylyl cyclase. It is a target for drugs which treat schizophrenia and Parkinson disease. Mutations in this gene have been

associated with various behavioral phenotypes, including autonomic nervous system dysfunction, attention deficit/hyperactivity disorder, and the personality trait of novelty seeking. This gene contains a polymorphic number (2-10 copies) of tandem 48 nt repeats; the sequence shown contains four repeats. [provided by RefSeq, Jul 2008],function:This is one of the five types (D1 to D5) of receptors for dopamine. The activity of this receptor is mediated by G proteins which inhibit adenylyl cyclase.,polymorphism:The number of repeats of 16 amino acids in the third cytoplasmic loop is highly polymorphic and varies among different alleles. Alleles corresponding in size to a 2 (D4.2), 3 (D4.3), 4 (D4.4), 5 (D4.5), 6 (D4.6), 7 (D4.7) and 9 (D4.9) repeats have been described. The sequence shown is that of allele D4.7. The polymorphic repeat sequence has little influence on DRD4-binding profiles and might not be essential for G protein interaction.,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with CLIC6 (By similarity) and GPRASP1.,

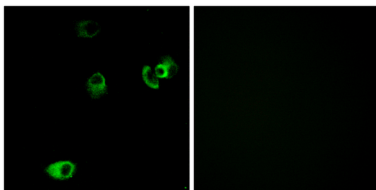
### 研究领域 (Research Area)

Neuroactive ligand-receptor interaction;

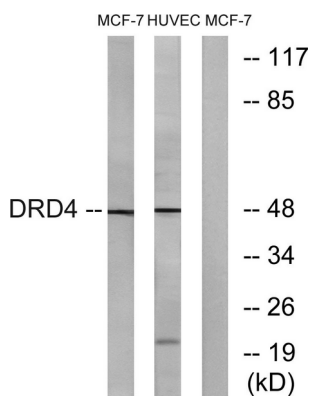
### 注意事项 (Note)

For research use only.

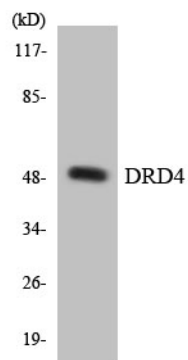
### 图片 (Image Data)



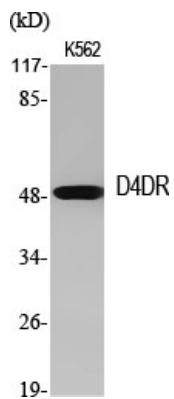
Immunofluorescence analysis of MCF7 cells, using DRD4 Antibody. The picture on the right is blocked with the synthesized peptide.



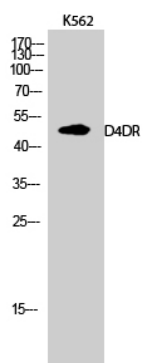
Western blot analysis of lysates from MCF-7 and HUVEC cells, using DRD4 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from RAW264.7 cells using DRD4 antibody.



Western Blot analysis of various cells using D4DR Polyclonal Antibody



Western Blot analysis of K562 cells using D4DR Polyclonal Antibody

## EnkiLife 优势产品推荐

| 产品类别                        | 产品货号     | 产品名称                                               |
|-----------------------------|----------|----------------------------------------------------|
| WB 解决方案                     | RA10020  | 2h 极速 WB 即用型全流程试剂盒                                 |
|                             | RA10021  | 4h 快速 WB 即用型全流程试剂盒                                 |
|                             | RA10042  | 5h 畅享版 WB 全流程试剂盒                                   |
|                             | RA10037  | 校准级彩色预染蛋白 Marker (8-180kDa)                        |
|                             | RA10038  | 校准级彩色预染蛋白 Marker (10-250kDa)                       |
|                             | RA10039  | 校准级高分子彩色预染蛋白 Marker (25-400kDa)                    |
| TSA 多重荧光染色试剂盒               | RA10008  | TSA 双标三色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10009  | TSA 三标四色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10010  | TSA 四标五色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10011  | TSA 五标六色多重荧光染色试剂盒 (mIHC)                           |
|                             | RA10012  | TSA 六标七色多重荧光染色试剂盒 (mIHC)                           |
| IHC 检测试剂盒                   | RA10006  | HRP Anti-Mouse/Rabbit IHC Detection System         |
|                             | RA10007  | Polymer-HRP Anti-Mouse/Rabbit IHC Detection System |
| 抗体标记试剂盒                     | RE80004p | 辣根过氧化物酶(HRP)抗体标记试剂盒                                |
|                             | RE80002q | Sulfo-NHS-生物素标记试剂盒                                 |
|                             | RE80007p | Cy3 荧光素标记试剂盒                                       |
|                             | RE80011p | Fluor488 荧光素标记试剂盒                                  |
|                             | RE80017p | Fluor750 荧光素标记试剂盒                                  |
|                             | RE80005p | 藻红蛋白(R-PE) 抗体快速标记试剂盒                               |
|                             | RE80040  | PE-Cy7 串联染料抗体快速标记试剂盒                               |
| 稳转细胞系构建服务<br>(免费赠送全膜 WB 验证) | TS-0001  | 过表达稳转细胞系构建                                         |
|                             | TS-0002  | 敲低稳转细胞系构建                                          |
|                             | TS-0003  | 敲除细胞系构建                                            |

限于篇幅，更多产品详见官网：<https://www.enkilife.cn>