**Product Name: D3DR Rabbit Polyclonal Antibody**
**Catalog #: APRab09768**

## Summary

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|---|---|
| **Production Name** | D3DR Rabbit Polyclonal Antibody |
| **Description** | Rabbit Polyclonal Antibody |
| **Host** | Rabbit |
| **Application** | WB |
| **Reactivity** | Human,Mouse,Rat |

## Performance

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|---|---|
| **Conjugation** | Unconjugated |
| **Modification** | Unmodified |
| **Isotype** | IgG |
| **Clonality** | Polyclonal |
| **Form** | Liquid |
| **Storage** | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles. |
| **Buffer** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N. |
| **Purification** | Affinity purification |

## Immunogen

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|---|---|
| **Gene Name** | DRD3 |
| **Alternative Names** | DRD3; D(3) dopamine receptor; Dopamine D3 receptor |
| **Gene ID** | 1814.0 |
| **SwissProt ID** | P35462.Synthesized peptide derived from D3DR . at AA range: 181-230 |

## Application

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|---|---|
| **Dilution Ratio** | WB 1:500-1:2000. ELISA: 1:20000. |
| **Molecular Weight** | 44kD |

## Background

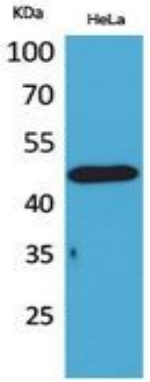
This gene encodes the D3 subtype of the five (D1-D5) dopamine receptors. The activity of the D3 subtype receptor is mediated by G proteins which inhibit adenylyl cyclase. This receptor is localized to the limbic areas of the brain, which are

associated with cognitive, emotional, and endocrine functions. Genetic variation in this gene may be associated with susceptibility to hereditary essential tremor 1. Alternative splicing of this gene results in transcript variants encoding different isoforms, although some variants may be subject to nonsense-mediated decay (NMD). [provided by RefSeq, Jul 2008],disease:Genetic variation in DRD3 may be associated with susceptibility to hereditary essential tremor 1 (ETM1) [MIM:190300]. ETM1 is the most common movement disorder. The main feature is postural tremor of the arms. Head, legs, trunk, voice, jaw, and facial muscles also may be involved. The condition can be aggravated by emotions, hunger, fatigue and temperature extremes, and may cause a functional disability or even incapacitation. Inheritance is autosomal dominant.,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.,online information:The Singapore human mutation and polymorphism database,similarity:Belongs to the G-protein coupled receptor 1 family.,subunit:Interacts with CLIC6.,tissue specificity:Brain.,

## Research Area

Neuroactive ligand-receptor interaction;

## Image Data




Western Blot analysis of HeLa cells using D3DR Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

## Note

For research use only.