

## Rabbit anti-Mouse, Rat DRD4 Polyclonal Antibody | anti-DRD4 antibody

DRD4 Rabbit Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY | APPLICATIONS                       |
|-----------|--------|------------|------------------------------------|
| AAA313405 | Rabbit | Mouse, Rat | Immunohistochemistry, Western Blot |

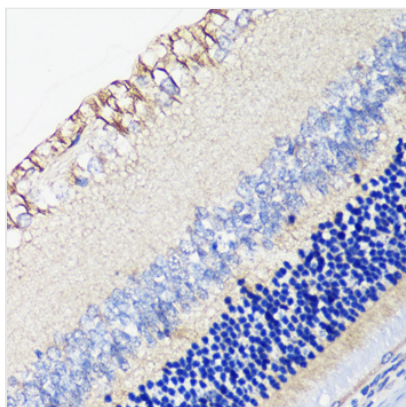
### PRODUCT SYNONYMS

DRD4; Polyclonal Antibody; DRD4 Rabbit Polyclonal Antibody; D4DR; anti-DRD4 antibody

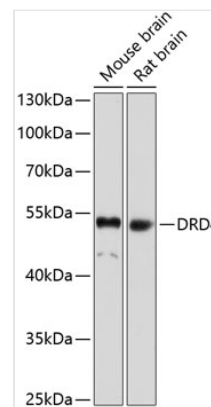
### PRODUCT SPECIFICATIONS

|                                                |                                                           |
|------------------------------------------------|-----------------------------------------------------------|
| Host                                           | Rabbit                                                    |
| Reactivity                                     | Mouse, Rat                                                |
| Clonality                                      | Polyclonal                                                |
| Isotype                                        | IgG                                                       |
| Purity/Purification                            | Affinity purification                                     |
| Form/Format                                    | Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3. |
| Applicable Applications for anti-DRD4 antibody | IHC (Immunohistochemistry), WB (Western Blot)             |
| Immunogen                                      | A synthetic peptide of human DRD4 (NP_000788.2).          |
| Preparation and Storage                        | Store at -20 degree C. Avoid freeze/thaw cycles.          |

### IMAGES


**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded rat retina using DRD4 at dilution of 1:100 (40x lens).


**WB (Western Blot)**

Western blot analysis of extracts of various cell lines, using DRD4 at 1:1000 dilution.

### ADDITIONAL INFORMATION

#### Related Product Information for anti-DRD4 antibody

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.

Product Categories/Family for anti-DRD4 antibody

Primary Antibody

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 32483397                                                                                                                          |
| NCBI GeneID                      | 1815                                                                                                                              |
| NCBI Accession #                 | NP_000788.2                                                                                                                       |
| NCBI GenBank Nucleotide #        | NM_000797.3                                                                                                                       |
| UniProt Accession #              | P21917; Q7Z7Q5; Q8NGM5; B0M0J7                                                                                                    |
| Molecular Weight                 | 48,361 Da                                                                                                                         |
| NCBI Official Full Name          | D(4) dopamine receptor                                                                                                            |
| NCBI Official Synonym Full Names | dopamine receptor D4                                                                                                              |
| NCBI Official Symbol             | DRD4                                                                                                                              |
| NCBI Official Synonym Symbols    | D4DR                                                                                                                              |
| NCBI Protein Information         | D(4) dopamine receptor; D(4) dopamine receptor; dopamine D4 receptor; D(2C) dopamine receptor; seven transmembrane helix receptor |
| UniProt Protein Name             | D(4) dopamine receptor                                                                                                            |
| UniProt Gene Name                | <b>DRD4</b>                                                                                                                       |
| UniProt Entry Name               | DRD4_HUMAN                                                                                                                        |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/dr4-antibody-immunohistochemistry-western-blot-elisa/313405>