

## DRD4

**Reactivity:** Human Mouse

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:1000 IHC 1:50 - 1:100

**Calculated MW:** 48kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human DRD4

**Storage Buffer:**

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

D4DR;

**Catalog #:** A2894

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 1815

**Isotype:** IgG

**Swiss Prot:** P21917

**Purity:** Affinity purification

For research use only.

**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.

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