

# DRD4 Polyclonal Antibody

Catalog Number: E-AB-12360

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

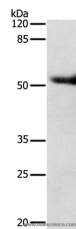
## Description

<b>Reactivity</b>	Human
<b>Immunogen</b>	Synthetic peptide of human DRD4
<b>Host</b>	Rabbit
<b>Isotype</b>	IgG
<b>Purification</b>	Affinity purification
<b>Conjugation</b>	Unconjugated
<b>Formulation</b>	PBS with 0.05% sodium azide and 50% glycerol, PH7.4

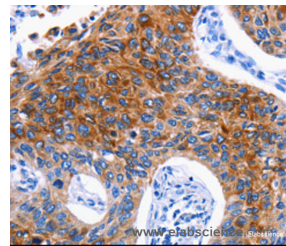
## Applications Recommended Dilution

<b>WB</b>	1:500-1:2000
<b>IHC</b>	1:30-1:150

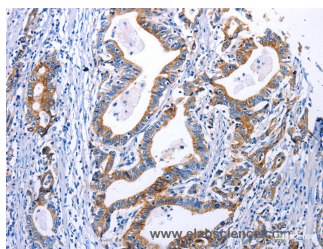
## Data



Western Blot analysis of Human liver cancer tissue using DRD4 Polyclonal Antibody at dilution of 1:600  
**Calculated Mw:48kDa**



Immunohistochemistry of paraffin-embedded Human lung cancer using DRD4 Polyclonal Antibody at dilution of 1:30



Immunohistochemistry of paraffin-embedded Human gastric cancer using DRD4 Polyclonal Antibody at dilution of 1:30

## Preparation & Storage

**Storage** Store at -20°C. Avoid freeze / thaw cycles.

## 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

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copies) of tandem 48 nt repeats; the sequence shown contains four repeats.

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