

### Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:1000-1:2000, WB:1:200-1:1000,  
IHC:1:50-1:200

**Protein Background:**

This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This protein localizes to the endoplasmic reticulum and its expression is induced by glucocorticoids and some pharmacological agents. This enzyme is involved in the metabolism of approximately half the drugs in use today, including acetaminophen, codeine, cyclosporin A, diazepam and erythromycin. The enzyme also metabolizes some steroids and carcinogens. This gene is part of a cluster of cytochrome P450 genes on chromosome 7q21.1. Previously another CYP3A gene, CYP3A3, was thought to exist; however, it is now thought that this sequence represents a transcript variant of CYP3A4. Alternatively spliced transcript variants encoding different isoforms have been identified.

**Gene ID:**

CYP3A4

**Uniprot**

P08684

**Synonyms:**

cytochrome P450, family 3, subfamily A, polypeptide 4

**Immunogen:**

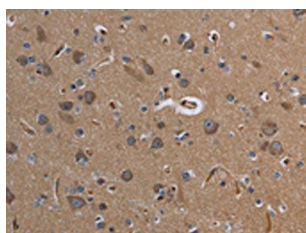
Fusion protein of human CYP3A4.

**Storage:**

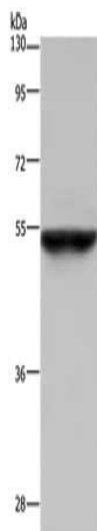
-20°C; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

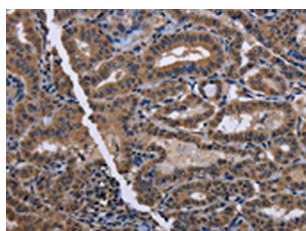
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The image on the left is immunohistochemistry of paraffin-embedded Human brain tissue using PACO14319(CYP3A4 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: x—200).



Gel: 8%SDS-PAGE, Lysate: 40 &mu; g, Lane: Human fetal liver tissue, Primary antibody: PACO14319(CYP3A4 Antibody) at dilution 1/250, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 seconds.



The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using PACO14319(CYP3A4 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: x—200).