

**Anti-Human/Mouse/Rat CYP26A1 Polyclonal Antibody****Polyclonal Antibody****Cat.NO.: PA03373**

3th Edition

**Description:** This gene encodes a member of the cytochrome P450 superfamily of enzymes. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. This endoplasmic reticulum protein acts on retinoids, including all-trans-retinoic acid (RA), with both 4-hydroxylation and 18-hydroxylation activities. This enzyme regulates the cellular level of retinoic acid which is involved in regulation of gene expression in both embryonic and adult tissues. Two alternatively spliced transcript variants of this gene, which encode the distinct isoforms, have been reported. CYP26A1 (Cytochrome P450 Family 26 Subfamily A Member 1) is a Protein Coding gene. Diseases associated with CYP26A1 include Caudal Regression Syndrome and Mixed Germ Cell Cancer. Among its related pathways are Signaling by Retinoic Acid and Cytochrome P450 - arranged by substrate type. GO annotations related to this gene include iron ion binding and oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen. An important paralog of this gene is CYP26C1.

**Antigen:** Synthesized peptide derived from the Internal region of human CYP26A1

**Form:**

**How to use:** 1.0 ml distilled water will be added to the product

**Stability:** Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

**Dilution:** PBS (pH7.4) containing 1% BSA

**Application:** This antibody can be used for western blotting in concentration of 1?5?g/ml.

**Specificity:** Highest levels in adult liver, heart, pituitary gland, adrenal gland, placenta and regions of the brain.