

RecomAb™

CYP26A1 recombinant monoclonal antibody, clone R02-5U3

Catalog # RAB05259 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human Cytochrome P450 26A1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against recombinant protein corresponding to human Cytochrome P450 26A1
Theoretical MW (kDa)	Calculated MW: 56 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)(1/50-1/100) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol and 0.02% Sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Gene Info — CYP26A1

Entrez GeneID [1592](#)

Gene Name CYP26A1

Gene Alias CP26, CYP26, P450RAI, P450RAI1

Gene Description cytochrome P450, family 26, subfamily A, polypeptide 1

Omim ID [602239](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000020102|OTTHUMP00000020103|P450, retinoic acid-inactivating, 1|cytochrome P450, subfamily XXVIA, polypeptide 1|retinoic acid 4-hydroxylase|retinoic acid-metabolizing cytochrome

Pathway

- [Retinol metabolism](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Dementia](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Glaucoma](#)

- [Kidney Diseases](#)
- [Meningomyelocele](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Schizophrenia](#)
- [Spinal Cord Diseases](#)
- [Spinal Dysraphism](#)
- [Vitamin A Deficiency](#)