

CYP26A1 monoclonal antibody, clone F27 P6 A1

Catalog # MAB1857

Size 200 ug

Applications



Western Blot (Recombinant protein)

Western blot on recombinant protein corresponding to C-terminal region of CYP26A1 protein using CYP26A1 monoclonal antibody, clone F27 P6 A1 (Cat # MAB1857).

Specification

Product Description	Mouse monoclonal antibody raised against synthetic peptide of CYP26A1.
Immunogen	A synthetic peptide corresponding to C-terminus of human CYP26A1.
Host	Mouse
Reactivity	Human
Form	Liquid
Isotype	IgG1
Quality Control Testing	Antibody Reactive Against Synthetic Peptide.
Recommend Usage	Western Blot (1-2 ug/mL) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1-5 ug/mL) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.08% sodium azide)
Storage Instruction	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 (Recombinant protein)

Western blot on recombinant protein corresponding to C-terminal region of CYP26A1 protein using CYP26A1 monoclonal antibody, clone F27 P6 A1 (Cat # MAB1857).

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

- Enzyme-linked Immunoabsorbent Assay

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

Publication Reference

- [Cytochrome p450 profile of colorectal cancer: identification of markers of prognosis.](#)

Kumarakulasingham M, Rooney PH, Dundas SR, Telfer C, Melvin WT, Curran S, Murray GI.

Clinical Cancer Research 2005 May; 11(10):3758.

Application: IHC, Human, Human colorectal cancer

- [Expression of the retinoic acid-metabolizing enzyme CYP26A1 limits programmed cell death.](#)

Osanai M, Petkovich M.

Molecular Pharmacology 2005 May; 67(5):1808.

- [CYP26A1 and CYP26C1 cooperate in degrading retinoic acid within the equatorial retina during later eye development.](#)

Sakai Y, Luo T, McCaffery P, Hamada H, Drager UC.

Developmental Biology 2004 Dec; 276(1):143.

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](#)