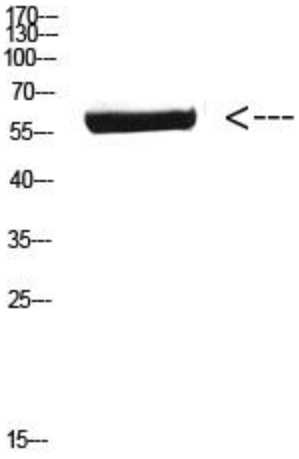
CYP26B1 Monoclonal Antibody

Catalog No	YP-mAb-10623
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	CYP26B1 CYP26A2 P450RAI2
Immunogen	Synthetic peptide from human protein at AA range: 391-440
Specificity	The antibody detects endogenous CYP26B1 protein
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	CYP26A2;Cytochrome P450 26A2;Cytochrome P450 26B1;Cytochrome P450 retinoic acid-inactivating 2;Cytochrome P450RAI 2;CYP26B1;CYP26B1 CYP26A2 P450RAI2;cytochrome P450;family 26;subfamily B;polypeptide 1; family 26; subfamily B; polypeptide 1
Observed Band	60kD
Calculated Molecular Weight	60kD
Cell Pathway	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
Tissue Specificity	Highly expressed in brain, particularly in the cerebellum and pons.
Function	cofactor:Heme group.,enzyme regulation:Has a preferred activity toward the following substrates: all-trans-RA > 9-cis-RA > 13-cis-RA.,function:Plays a key role in retinoic acid metabolism. Involved in the specific inactivation of all-trans-retinoic acid (RA). Responsible for generation of several hydroxylated forms of RA, including 4-OH-RA, 4-oxo-RA, and 18-OH-RA.,induction:By retinoic acid., similarity:Belongs to the cytochrome P450 family.,tissue specificity:Highly expressed in brain, particularly in the cerebellum and pons.,

Background	cytochrome P450 family 26 subfamily B member 1(CYP26B1) Homo sapiens This gene encodes a member of the cytochrome P450 superfamily. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids and other lipids. The encoded protein is localized to the endoplasmic reticulum, and functions as a critical regulator of all-trans retinoic acid levels by the specific inactivation of all-trans retinoic acid to hydroxylated forms. Mutations in this gene are associated with radiohumeral fusions and other skeletal and craniofacial anomalies, and increased levels of the encoded protein are associated with atherosclerotic lesions. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2013],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CYP26B1 Monoclonal Antibody