



# CYP26B1 Polyclonal Antibody

<b>Catalog No</b>	YP-Ab-10623
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse;Rat
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	CYP26B1 CYP26A2 P450RAI2
<b>Protein Name</b>	cytochrome P450, family 26, subfamily B, polypeptide 1
<b>Immunogen</b>	Synthetic peptide from human protein at AA range: 391-440
<b>Specificity</b>	The antibody detects endogenous CYP26B1 protein
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000, ELISA 1:10000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	CYP26B1 CYP26A2 P450RAI2
<b>Observed Band</b>	60kD
<b>Cell Pathway</b>	Endoplasmic reticulum membrane ; Peripheral membrane protein . Microsome membrane ; Peripheral membrane protein .
<b>Tissue Specificity</b>	Highly expressed in brain, particularly in the cerebellum and pons.
<b>Function</b>	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.,
<b>Background</b>	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],

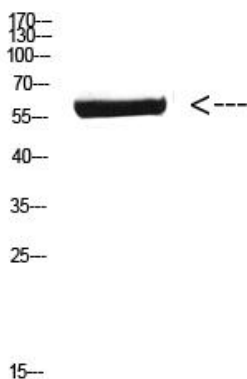
**matters needing attention**

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 mouse-brain cells using Antibody diluted at 800. Secondary antibody(catalog#:RS0002) was diluted at 1:20000