Product Name: CYP26B1 Rabbit Polyclonal Antibody
Catalog #: APRab09639

Summary

Production Name	CYP26B1 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	CYP26B1 CYP26A2 P450RAI2
Alternative Names	CYP26B1 CYP26A2 P450RAI2
Gene ID	56603.0
SwissProt ID	Q9NR63.Synthetic peptide from human protein at AA range: 391-440

Application

Dilution Ratio	WB 1:500-2000, ELISA 1:10000-20000
Molecular Weight	60kD

Background

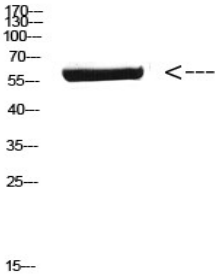
cytochrome P450 family 26 subfamily B member 1(CYP26B1) Homo sapiens This gene encodes a member of the cytochrome P450 superfamily. The cytochrome P450 proteins are monooxygenases which catalyze many reactions involved

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],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.,

Research Area

Retinol metabolism;

Image Data



Western Blot analysis of mouse-brain cells using Antibody diluted at 800. Secondary antibody was diluted at 1:20000

Note

For research use only.