



Mouse anti-Human CYP26B1 polyclonal antibody (DPAB-DC2521)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	CYP26B1 (NP_063938, 131 a.a. ~ 230 a.a) partial recombinant protein with GST tag. The sequence is SNSIGDIHRNKRKVFSKIFSHEALESYLPKIQLVIQDTLRAWSSHPEAINVYQEAQKLTFRMAIRVLLGFSIPEEDLGHLFEVYQQFVDNVFSLPVDLPF
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	CYP26B1 cytochrome P450, family 26, subfamily B, polypeptide 1 [Homo sapiens (human)]
Official Symbol	CYP26B1
Synonyms	CYP26B1; cytochrome P450, family 26, subfamily B, polypeptide 1; RHFCA; CYP26A2; P450RAI2; P450RAI-2; cytochrome P450 26B1; retinoic acid-metabolizing cytochrome; cytochrome P450 retinoic acid-inactivating 2; cytochrome P450 retinoid metabolizing protein; cytochrome P450, subfamily XXVIB, polypeptide 1;
Entrez Gene ID	56603
Protein Refseq	NP_001264671
UniProt ID	Q9NR63
Chromosome Location	2p13.2
Pathway	Adipogenesis; Cytochrome P450 - arranged by substrate type; Phase 1 - Functionalization of compounds; Retinol metabolism
Function	heme binding; iron ion binding; retinoic acid 4-hydroxylase activity; retinoic acid binding