bs-12928R **[Primary Antibody]**

CYP26A1 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1592 **SWISS:** O43174

Target: CYP26A1

Immunogen: KLH conjugated synthetic peptide derived from human CYP26A1: 101-200/497.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: The cytochrome P450 proteins (CYPs) are monooxygenases that catalyze many reactions involved in drug metabolism and synthesis of cholesterol, steroids, and other lipids. P450 enzymes are classified into subfamilies based on their sequence similarities. CYP26A1 is a major retinoic acid catabolic enzyme. CYP26A1 plays an important role in protecting tailbud tissues from inappropriate exposure to retinoic acid. CYP26A1 transcription is epigenetically regulated by nuclear retinoic acid receptor ∫ 2. Mutations in the gene encoding for CYP26A1 are associated with caudal agenesis and spina bifida, imperforate anus, agenesis of the caudal portions of the digestive and urogenital tracts, and malformed lumbosacral skeletal elements. CYP26A1 is upregulated in adenomatous polyposis coli mouse adenomas, human FAP adenomas, human sporadic colon carcinomas, and in the intestine of adenomatous polyposis coli (apcmcr) mutant zebrafish embryos.

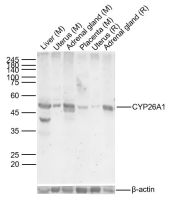
Applications: **WB** (1:500-2000)

Reactivity: Mouse, Rat (predicted: Human, Rabbit, Pig, Sheep, Cow, Dog, Horse)

Predicted MW.: 56 kDa

Subcellular Location: Cell membrane ,Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Mouse Liver Lysates Lane 2: Mouse Uterus Lysates Lane 3: Mouse Adrenal gland Lysates Lane 4: Mouse Placenta Lysates Lane 5: Rat Uterus Lysates Lane 6: Rat Adrenal gland Lysates Primary: Anti-CYP26A1 (bs-12928R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 56kDa Observed band size: 56kDa

SELECTED CITATIONS

- **[IF=5.6]** Wenliang Zha. et al. Mitochonic acid 5 rescues cardiomyocytes from doxorubicin-induced toxicity via repressing the TNF-α/NF-κB/NLRP3-mediated pyroptosis. INT IMMUNOPHARMACOL. 2023 Oct;123:110736 WB ;Mouse. 37549513
- **[IF=2.7]** Yankun Wang. et al. Seasonal changes in vitamin A metabolism-related factors in the oviduct of Chinese brown frog (Rana dybowskii). J STEROID BIOCHEM. 2024 Jul;:106583 WB,IHC ;Rana dybowskii. 38992392