10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

UDB17 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6505c

Product Information

Application	WB, IHC-P, E
Primary Accession	O75795
Reactivity	Human
Predicted	Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	61095
Antigen Region	119-147

Additional Information

Gene ID	7367
Other Names	UDP-glucuronosyltransferase 2B17, UDPGT 2B17, C19-steroid-specific UDP-glucuronosyltransferase, C19-steroid-specific UDPGT, UGT2B17
Target/Specificity	This UDB17 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 119-147 amino acids from the Central region of human UDB17.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	UDB17 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	UGT2B17 (HGNC:12547)
Function	UDP-glucuronosyltransferase (UGT) that catalyzes phase II biotransformation reactions in which lipophilic substrates are conjugated with glucuronic acid to increase the metabolite's water solubility, thereby facilitating excretion into either the urine or bile (PubMed:16595710,

PubMed:18719240, PubMed:19022937, PubMed:23288867, PubMed:8798464). Catalyzes the glucuronidation of endogenous steroid hormones such as androgens (epitestosterone, androsterone) and estrogens (estradiol, epiestradiol) (PubMed:16595710, PubMed:18719240, PubMed:19022937, PubMed:23288867, PubMed:8798464).

Cellular Location Endoplasmic reticulum membrane; Single-pass membrane protein

Tissue Location Expressed in various tissues including the liver, kidney, testis, uterus, placenta, mammary gland, adrenal gland, skin and prostate.

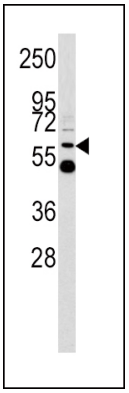
Background

UGT2B17 belongs to the family of UDP-glucuronosyltransferases (UGTs; EC 2.4.1.17), enzymes that catalyze the transfer of glucuronic acid from uridine diphosphoglucuronic acid to a variety of substrates, including steroid hormones.

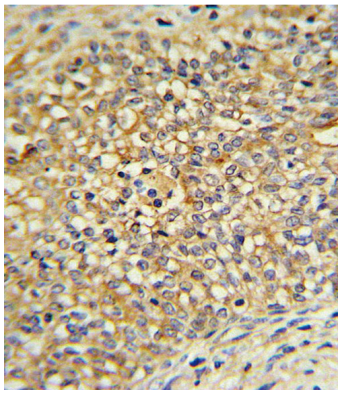
References

Balliet,R.M., Cancer Res. 69 (7), 2981-2989 (2009)
Juul,A., J. Clin. Endocrinol. Metab. 94 (3), 1005-1011 (2009)

Images



Western blot analysis of UDB17 antibody (Center) (Cat.# AP6505c) in Y79 cell line lysates (35ug/lane). UDB17 (arrow) was detected using the purified Pab.



UDB17 Antibody (Center) (Cat.# AP6505c) IHC analysis in formalin fixed and paraffin embedded human Prostate carcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the UDB17 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.