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Sult1c2 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI12988

Product Information

Application	WB
Primary Accession	Q9WUW8
Other Accession	NM_133547, NP_598231
Reactivity	Human, Mouse, Rat, Rabbit, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Rat, Dog, Guinea Pig, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34731

Additional Information

Gene ID	171072
Alias Symbol	MGC112625, MGC124969, ST1C2
Other Names	Sulfotransferase 1C2, ST1C2, rSULT1C2, 2.8.2.-, Sulfotransferase K1, Sult1c2, Sultk1
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Sult1c2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Sult1c2 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

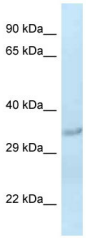
Name	Sult1c2
Synonyms	Sultk1
Function	Sulfotransferase that utilizes 3'-phospho-5'-adenylyl sulfate (PAPS) to catalyze the sulfate conjugation of phenolic compounds (PubMed:10872834). Does not transfer sulfate to steroids, dopamine, acetaminophen, or alpha-naphthol (PubMed:10872834). Except in mitochondria, where it can add sulfate to cholesterol producing cholesterol sulfate, which alters mitochondrial membrane organization, and impacts protein complex mobility increasing state-III respiration, thereby modulating mitochondrial respiration (PubMed:39194960). Catalyzes the sulfation of the carcinogenic N-hydroxy-2-

	acetylaminofluorene leading to highly reactive intermediates capable of forming DNA adducts, potentially resulting in mutagenesis (By similarity).
Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:O46503}. Lysosome. Mitochondrion
Tissue Location	Highly expressed in kidney and at lower levels in stomach and liver. More specifically found in the epithelia of proximal tubules of the kidney, of the bile duct, of the gastric mucosa, and in hepatocytes.

References

Xiangrong L.,et al.Biochem. Biophys. Res. Commun. 272:242-250(2000).
Sugimura K.,et al.Kidney Int. 62:757-762(2002).

Images



WB Suggested Anti-Sult1c2 Antibody Titration: 1.0 µg/ml
Positive Control: Rat Liver

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