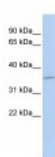




SULT1C4 Antibody

CATALOG NUMBER: 26-339



Antibody used in WB on Human MCF-7 at
0.2-1 ug/ml.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, WB
APPLICATIONS:	SULT1C4 antibody can be used for detection of SULT1C4 by ELISA at 1:62500. SULT1C4 antibody can be used for detection of SULT1C4 by western blot at 1 ug/mL, and HRP conjugated secondary antibody should be diluted 1:50,000 - 100,000.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
POSITIVE CONTROL:	1) Cat. No. 1219 - MCF7 Cell Lysate
PREDICTED MOLECULAR WEIGHT:	35 kDa
IMMUNOGEN:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human SULT1C4.
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Antibody is purified by peptide affinity chromatography method.
PHYSICAL STATE:	Lyophilized
BUFFER:	Antibody is lyophilized in PBS buffer with 2% sucrose. Add 50 uL of distilled water. Final antibody concentration is 1 mg/mL.
CONCENTRATION:	1 mg/ml
STORAGE CONDITIONS:	For short periods of storage (days) store at 4°C. For longer periods of storage, store SULT1C4 antibody at -20°C. As with any antibody avoid repeat freeze-thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	SULT1C4, MGC149521, MGC34422, SULT1C, SULT1C2
ACCESSION NO.:	NP_006579
PROTEIN GI NO.:	28830308

OFFICIAL SYMBOL: SULT1C4

GENE ID: 27233

Background

BACKGROUND: SULT1C4 catalyzes the sulfate conjugation of many drugs, xenobiotic compounds, hormones, and neurotransmitters. It may be involved in the activation of carcinogenic hydroxylamines. SULT1C4 shows activity towards p-nitrophenol and N-hydroxy-2-acetylamino-fluorene (N-OH-2AAF). Sulfotransferase enzymes catalyze the sulfate conjugation of many hormones, neurotransmitters, drugs, and xenobiotic compounds. These cytosolic enzymes are different in their tissue distributions and substrate specificities. The gene structure (number and length of exons) is similar among family members. This gene encodes a protein that belongs to the SULT1 subfamily, responsible for transferring a sulfo moiety from PAPS to phenol-containing compounds.

REFERENCES: 1) Bolkenius, F.N., PLoS Biol. 5 (5), E97 (2007).

FOR RESEARCH USE ONLY

December 12, 2016