

Rabbit anti-Mouse, Rat UGT1A6 Polyclonal Antibody | anti-Ugt1a6 antibody

Anti-UGT1A6 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA125446	Rabbit	Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Immunohistochemistry, Western Blot

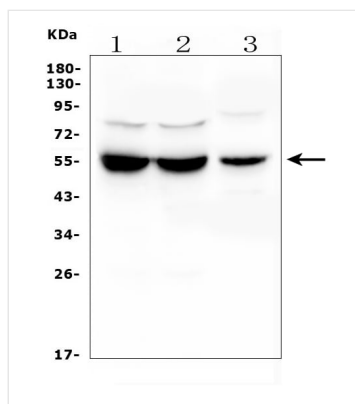
PRODUCT SYNONYMS

UGT1A6; Polyclonal Antibody; Anti-UGT1A6 Antibody; UDP-glucuronosyltransferase 1-6; UDPGT 1-6; UGT1*6; UGT1-06; UGT1.6; A1; P-nitrophenol-specific UDPGT; UDP-glucuronosyltransferase 1A6; Ugt1a6; Ugt1; anti-Ugt1a6 antibody

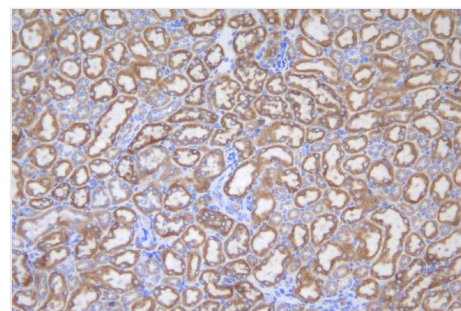
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	No cross reactivity with other proteins.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Sequence Length	530
Applicable Applications for anti-Ugt1a6 antibody	ELISA (Direct ELISA), FCM/FACS (Flow Cytometry), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	E Coli-derived rat UGT1A6 recombinant protein (Position: D26-D238).
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	Store at -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen store at -20 degree C for a longer time. Avoid repeated freezing and thawing.

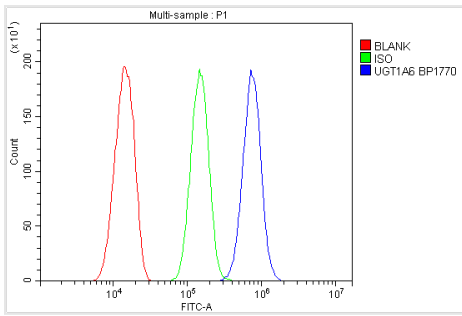
IMAGES



WB (Western Blot)



IHC (Immunohistochemistry)



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for anti-Ugt1a6 antibody	Description: Rabbit IgG polyclonal antibody for UGT1A6 detection. Tested with WB, IHC-P, FCM, Direct ELISA in Mouse; Rat. Background: UDP-glucuronosyltransferase 1-6 is an enzyme that in humans is encoded by the UGT1A6 gene. It is mapped to 2q37.1. This gene encodes a UDP-glucuronosyltransferase, an enzyme of the glucuronidation pathway that transforms small lipophilic molecules, such as steroids, bilirubin, hormones, and drugs, into water-soluble, excretable metabolites. This gene is part of a complex locus that encodes several UDP-glucuronosyltransferases. The locus includes thirteen unique alternate first exons followed by four common exons. Four of the alternate first exons are considered pseudogenes. Each of the remaining nine 5' exons may be spliced to the four common exons, resulting in nine proteins with different N-termini and identical C-termini. Each first exon encodes the substrate binding site, and is regulated by its own promoter. The enzyme encoded by this gene is active on phenolic and planar compounds. Alternative splicing in the unique 5' end of this gene results in two transcript variants.
References	1. Mackenzie PI, Owens IS, Burchell B, Bock KW, Bairoch A, Bélanger A, Fournel-Gigleux S, Green M, Hum DW, Iyanagi T, Lancet D, Louisot P, Magdalou J, Chowdhury JR, Ritter JK, Schachter H, Tephly TR, Tipton KF, Nebert DW (August 1997). "The UDP glycosyltransferase gene superfamily: recommended nomenclature update based on evolutionary divergence". <i>Pharmacogenetics</i>. 7 (4): 255-69. 2. Ritter JK, Chen F, Sheen YY, Tran HM, Kimura S, Yeatman MT, Owens IS (February 1992). "A novel complex locus UGT1 encodes human bilirubin, phenol, and other UDP-glucuronosyltransferase isozymes with identical carboxyl termini". <i>The Journal of Biological Chemistry</i>. 267 (5): 3257-61. 3. Shrestha B, Reed JM, Starks PT, Kaufman GE, Goldstone JV, Roelke ME, O'Brien SJ, Koepfli KP, Frank LG, Court MH (2011). Zanger U (ed.). "Evolution of a major drug metabolizing enzyme defect in the domestic cat and other felidae: phylogenetic timing and the role of hypercarnivory". <i>PLoS One</i>. 6 (3): e18046.

NCBI AND UNIPROT INFORMATION

NCBI GI #	89276778
NCBI GeneID	113992
NCBI Accession #	NP_001034780.1
NCBI GenBank Nucleotide #	NP_001034780.1
UniProt Accession #	P08430
NCBI Official Full Name	UDP-glucuronosyltransferase 1-6
NCBI Official Synonym Full Names	UDP glucuronosyltransferase family 1 member A6
NCBI Official Symbol	Ugt1a6
NCBI Official Synonym Symbols	Ugt1; Udpgt; Ugt1a7; UDPGT 1-6
NCBI Protein Information	UDP-glucuronosyltransferase 1-6
UniProt Protein Name	UDP-glucuronosyltransferase 1-6
UniProt Gene Name	Ugt1a6

UniProt Synonym Gene Names	Ugt1; UDPGT 1-6; UGT1*6; UGT1-06; UGT1.6; UGT1A6
UniProt Entry Name	UD16_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/ugt1a6-antibody-direct-elisa-flow-cytometry-immunohistochemistry-western-blot-elisa/125446>