



Rabbit Anti-UGT1A9 antibody

SL4224R

Product Name:	UGT1A9
Chinese Name:	尿苷二磷酸葡萄糖醛酸转移酶1A9
Alias:	GNT1; HLUGP4; LUGP4; UDP glucuronosyltransferase 1A9; UDPGT; UGT1I; UD19_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	57kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human UGT1A9:101-200/530
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	UGT1A9 is 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. UGT1A9 is active on phenols.

Function:

UDPGT is of major importance in the conjugation and subsequent elimination of potentially toxic xenobiotics and endogenous compounds. This isoform has specificity for phenols.

Subcellular Location:

Microsome. Endoplasmic reticulum membrane; Single-pass membrane protein (Potential).

Tissue Specificity:

Liver.

Similarity:

Belongs to the UDP-glycosyltransferase family.

SWISS:

O60656

Gene ID:

54600

Database links:

[Entrez Gene: 54600](#)Human

[Entrez Gene: 394434](#)Mouse

[Entrez Gene: 396552](#)Rat

[Omim: 606434](#)Human

[SwissProt: O60656](#)Human

[SwissProt: Q62452](#)Mouse

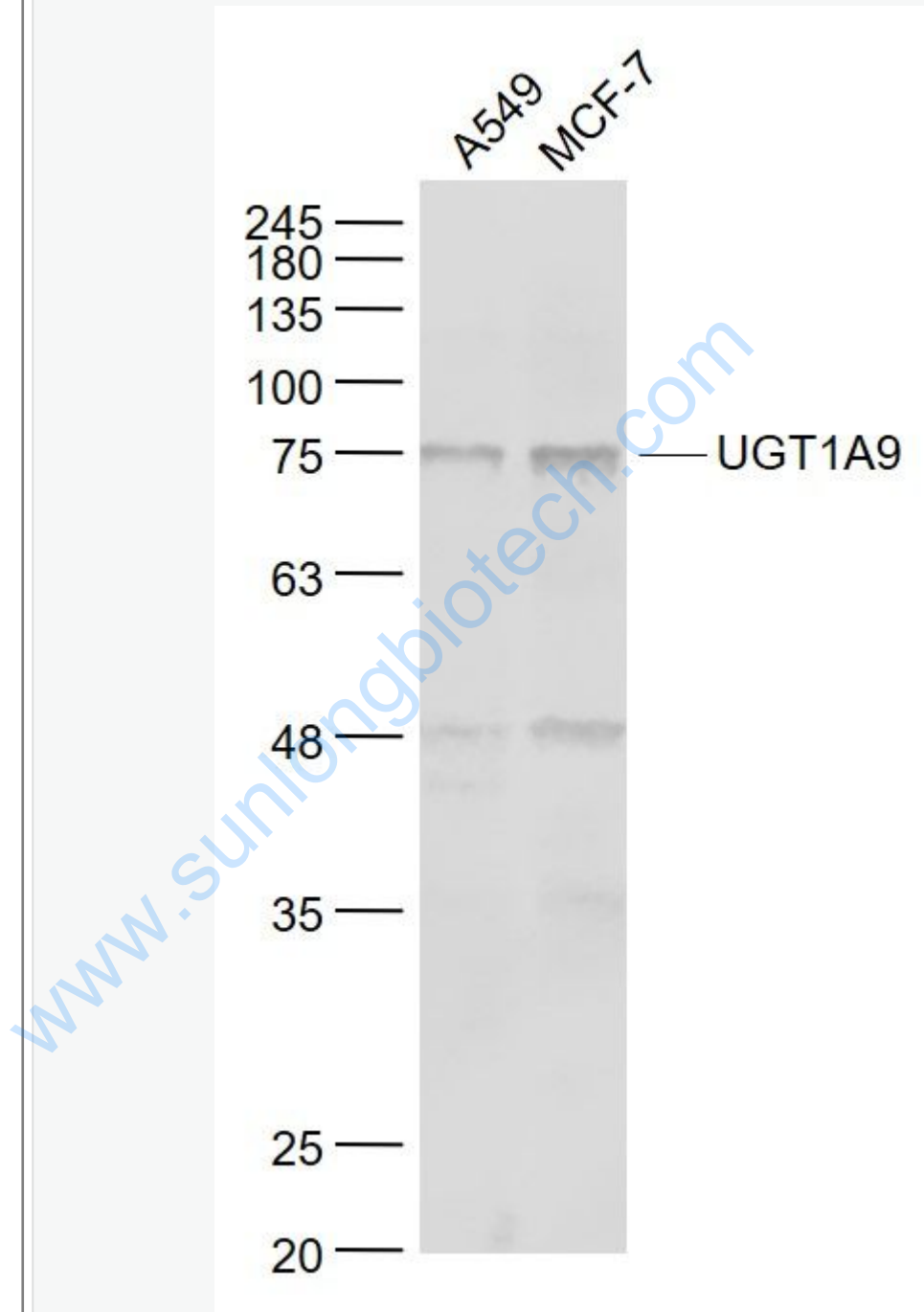
[Unigene: 554822](#)Human

[Unigene: 300095](#)Mouse

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



Sample:

A549(Human) Cell Lysate at 30 ug

MCF-7(Human) Cell Lysate at 30 ug

Primary: Anti- UGT1A9 (SL4224R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 57 kD

Observed band size: 75 kD

www.sunlongbiotech.com