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# Rabbit Anti-UGT1A9/Biotin Conjugated antibody

SL4224R-Bio

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| **Product Name** | Anti-UGT1A9/Biotin |
| **Chinese Name** | 生物素标记的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. |
| **Research Area** | Tumour Cell biology immunology Signal transduction |
| **Immunogen Species** | Rabbit |
| **Clonality** | Polyclonal |
| **React Species** | Human,Rat(predicted:Mouse) |
| **Applications** | WB=1:500-2000, IHC-P=1:100-500, IHC-F=1:100-500, IF=1:100-500, ICC/IF=1:100<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user. |
| **Molecular weight** | 57kDa |
| **Form** | Lyophilized or Liquid |
| **Concentration** | 1mg/ml |
| **immunogen** | KLH conjugated synthetic peptide derived from human UGT1A9 |
| **Lsotype** | IgG |
| **Purification** | affinity purified by Protein A |
| **Storage Buffer** | 1M TBS(pH7.4) with 1% BSA, 3% 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 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C. |
| **Product Detail** | **background:**<br>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.

**Database links:**
UniProtKB/Swiss-Prot: O60656.1

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