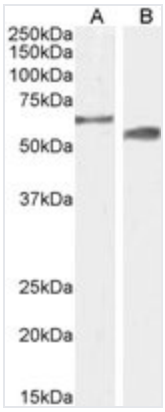
CYP2R1 Antibody

PRODUCT OVERVIEW

Product Name	Cyp2r1, Antibody
Full Product Name	Goat anti-Cyp2r1 (mouse aa405-418) Antibody
Product Gene Name	anti-CYP2R1 antibody
Product Synonym Names	CYP2R1; cytochrome P450, family 2, subfamily R, polypeptide 1; cytochrome P450 2R1; cytochrome P450, family 2, R1; vitamin D 25-hydroxylase
Species Reactivity	Mouse, Rat
Form/Format	Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Purity/Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Preparation and Storage	Aliquot and store at -20 degree C. Minimize freezing and thawing.
Antibody/Peptide Pairs	CYP2R1 peptide (MBS428815) is used for blocking the activity of Cyp2r1 antibody (MBS423783)
Molecular Weight	57.3kDa; 54.2kDa
3D Structure	ModBase 3D Structure for Q6VVW9
Immunogen Sequence	Peptide with sequence C-YSVHFDEKYWKDPD, from the internal region of the protein sequence according to NP_796356.2.
Peptide Sequence + C	C-YSVHFDEKYWKDPD
Epitope	Internal Region
ISO Certification	Manufactured in an ISO 9001:2008 Certified Laboratory.
Applications Tested/Suitable for anti-CYP2R1 antibody	Peptide ELISA (EIA), Western Blot (WB)
Application Notes for anti-CYP2R1 antibody	Pep-ELISA: antibody detection limit dilution 1:1000. WB: Approx 60kDa band observed in Mouse Testis and approx 55-60kDa in Rat Testis lysates. Recommended concentration: 1-3ug/ml. Primary incubation 1 hour at room temperature.
Related Product Information for anti-CYP2R1 antibody	MBS423783 is an antibody targeting CYP2R1. Also known as Goat anti-Cyp2r1 (mouse aa405-418) Antibody. Reactive in Mouse, Rat.
Other Notes	Small volumes of anti-CYP2R1 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Immunohistochemistry (IHC) of anti-CYP2R1 antibody
(2ug/ml) staining of Mouse (A) and Rat (B) Testes lysate (35ug protein in RIPA buffer).
Detected by chemiluminescence.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CYP2R1. It may not necessarily be applicable to this product.

NCBI GI #	34330188
NCBI GeneID	244209
NCBI Accession #	NP_796356.2
NCBI Related Accession #	XP_006230144.1
UniProt Primary Accession #	Q6VVW9
UniProt Related Accession #	Q6VVW9
GenBank Nucleotide #	NM_177382.4
NCBI Official Full Name	vitamin D 25-hydroxylase
NCBI Official Synonym Full Names	cytochrome P450, family 2, subfamily r, polypeptide 1
NCBI Official Symbol	Cyp2r1
UniProt Protein Name	Vitamin D 25-hydroxylase
UniProt Synonym Protein Names	Cytochrome P450 2R1
Protein Family	Vitamin D 25-hydroxylase
UniProt Gene Name	Cyp2r1
NCBI Protein Information	vitamin D 25-hydroxylase
UniProt Comments for CYP2R1	Has a D-25-hydroxylase activity on both forms of vitamin D, vitamin D2 and D3.
Research Articles on CYP2R1	**1.** These results suggest that CYP2R1 and CYP26A1 may play a major role in hepatoblast cell differentiation during the development of the liver.
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