Amitriptyline (ORM2) Antibody – Sheep Polyclonal

PRODUCT OVERVIEW

Product Name	Amitriptyline (ORM2), Polyclonal Antibody
Full Product Name	Amitriptyline
Product Gene Name	anti-ORM2 antibody
Product Synonym Names	Anti -Amitriptyline
Clonality	Polyclonal
Host	Sheep
Form/Format	Supplied as a liquid in 20mM Phosphate, 150mM Sodium Chloride, 0.09% Sodium Azide, pH 7.2.
Purity/Purification	Purified Purified.
Specificity	Recognizes Amitriptyline.
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage and to avoid repeated freezing and thawing, aliquot and store at -20 degree C. Aliquots are stable for at least 12 months at -20 degree C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.
Molecular Weight	23,603 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (117092069..117095536). Location: 9q32
OMIM	138610
3D Structure	ModBase 3D Structure for P19652
Immunogen	Amitriptyline-BTG.
Product Categories/Family for anti-ORM2 antibody	Antibodies; Abs to Drugs
Applications Tested/Suitable for anti-ORM2 antibody	ELISA (EL/EIA)
Application Notes for anti-ORM2 antibody	Suitable for use in ELISA., , Recommended Dilution:, ELISA: 2.5ug/ml, Optimal dilutions to be determined by the researcher.
Related Product Information for anti-ORM2 antibody	MBS619592 is an antibody targeting ORM2. Also known as Amitriptyline. Host: Sheep.
Other Notes	Small volumes of anti-ORM2 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ORM2. It may not necessarily be applicable to this product.

NCBI GI #	231458
NCBI GeneID	5005
NCBI Accession #	P19652.2

UniProt Primary Accession #	P19652
UniProt Secondary Accession #	Q16571; Q5T538; Q6IB74; B2R5L2
UniProt Related Accession #	P19652
NCBI Official Full Name	Alpha-1-acid glycoprotein 2
NCBI Official Synonym Full Names	orosomucoid 2
NCBI Official Symbol	ORM2
NCBI Official Synonym Symbols	AGP2; AGP-B; AGP-B'
UniProt Protein Name	Alpha-1-acid glycoprotein 2
UniProt Synonym Protein Names	Orosomucoid-2
Protein Family	Alpha-1-acid glycoprotein
UniProt Gene Name	ORM2
UniProt Synonym Gene Names	AGP2; AGP 2; OMD 2
UniProt Entry Name	A1AG2_HUMAN
NCBI Protein Information	alpha-1-acid glycoprotein 2; AGP 2; OMD 2; orosomucoid-2; alpha-1-acid glycoprotein, type 2
NCBI Summary for ORM2	This gene encodes a key acute phase plasma protein. Because of its increase due to acute inflammation, this protein is classified as an acute-phase reactant. The specific function of this protein has not yet been determined; however, it may be involved in aspects of immunosuppression. [provided by RefSeq, Jul 2008]
UniProt Comments for ORM2	ORM2: Functions as transport protein in the blood stream. Binds various hydrophobic ligands in the interior of its beta- barrel domain. Also binds synthetic drugs and influences their distribution and availability. Appears to function in modulating the activity of the immune system during the acute-phase reaction. Belongs to the calycin superfamily. Lipocalin family. Protein type: Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 9q32 Cellular Component: extracellular space Biological Process: regulation of immune system process; transport; acute-phase response
Research Articles on ORM2	**1.** Alteration in expression of ORM2 suggests that ORM2 could be used as a potential biomarker in the diagnosis of colorectal cancer.
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