Protein (agouti) Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	Agouti Protein, Polyclonal Antibody
Full Product Name	Agouti Protein
Product Gene Name	anti-agouti antibody
Product Synonym Names	Anti -Agouti Protein
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Mouse
Form/Format	Supplied as a liquid in PBS, 0.05% sodium azide.
Purity/Purification	Serum Serum
Specificity	Recognizes mouse Agouti. No homology is seen with AGRP, tubby, tub, TULP1 and TULP2. Species Sequence Homology
Preparation and Storage	May be stored at 4 degree C for short-term only. For long-term storage, store at -20 degree C. Stable for 2 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	1,761 Da
3D Structure	ModBase 3D Structure for Q9TSK2
Immunogen	Synthetic peptied consisting of 21aa near the N-terminus of mouse Agouti onjugated with KLH.
Product Categories/Family for anti-agouti antibody	Antibodies; Abs to Proteins
Applications Tested/Suitable for anti-agouti antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-agouti antibody	Suitable for use in Western Blot and ELISA. Dilution: Western Blot: 1:1000-1:5000 (ECL). ELISA: 1:10,000-1:50,000 using 50-100ng control peptide (A1059-58A) per well. Optimal dilutions to be determined by researcher.
Related Product Information for anti-agouti antibody	Several common diseases such as type II diabetes, hypertension, cardiovascular diseases, hyperlipidemia, and some cancers are associated with obesity. An abnormal increase in body fat relative to lean tissue mass has been used as an indicator of obesity. High fat diet, certain environmental factors, and genetic linkage are the primary causes of obesity. In order to understand the genetic basis of obesity, several monogenic murine obesity models have been characterized including obese (Ob), diabetes (db), fat (fat), agouti yellow (Ay), and tubby (tub). More recently, Tub, the human homolog of mouse Tub, TULP1 & TULP2 (for Tubby Like Proteins) and Agouti related protein (AGRP) have been cloned. The obesity associated with Ay mice may be due to ectopic expression of a secreted protein Agouti. Agouti protein (132aa in human) is normally expressed in skin. Its ubiquitous expression, such as in rare allele lethal yellow, causes yellow coat., linear growth, immune defects and obesity. Agouti is a paracrine-signaling molecule that affects pigmentation by inhibiting the melanocortin receptor 1 (MCR-1 and possibly MC2R and MC4R).

Other Notes	Small volumes of anti-agouti 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.
Searchable Terms for agouti purchase	MBS613352 is an antibody targeting agouti. Also known as Agouti Protein. Reactive in Mouse. Host: Rabbit.

ADDITIONAL DETAILS

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

NCBI GI #	6066813
UniProt Primary Accession #	Q9TSK2
NCBI Official Full Name	Agouti protein
UniProt Protein Name	Agouti protein
UniProt Gene Name	agouti
UniProt Entry Name	Q9TSK2_VULVU
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-mouse-antibody/agouti-protein/613352