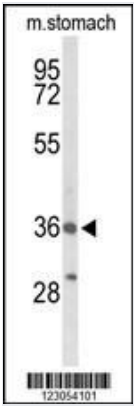
BRS3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	BRS3, Polyclonal Antibody
Full Product Name	BRS3, ID (BRS3, Bombesin receptor subtype-3)
Product Gene Name	anti-BRS3 antibody
Product Synonym Names	Anti -BRS3, ID (BRS3, Bombesin receptor subtype-3)
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2, 0.09% sodium azide.
Purity/Purification	Affinity Purified Purified by Protein A affinity chromatography.
Specificity	Human, mouse
Preparation and Storage	May be stored at 4 degree C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20 degree C. Aliquots are stable for 12 months. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap.
Molecular Weight	44,411 Da
Chromosome Location	Chromosome: X; NC_000023.10 (135564521..135575931). Location: Xq26.3
OMIM	300107
3D Structure	ModBase 3D Structure for P32247
Immunogen	BRS3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 246~276 amino acids from the Central region of human BRS3.
Product Categories/Family for anti-BRS3 antibody	Antibodies; Abs to Receptors
Applications Tested/Suitable for anti-BRS3 antibody	ELISA (EL/EIA), Western Blot (WB)
Application Notes for anti-BRS3 antibody	Suitable for use in Western Blot, ELISA Dilution: ELISA: 1:1,000 Western Blot: 1:100-500
Related Product Information for anti-BRS3 antibody	Mammalian bombesin-like peptides (see MIM 137260) are widely distributed in the central nervous system as well as in the gastrointestinal tract, where they modulate smooth-muscle contraction, exocrine and endocrine processes, metabolism, and behavior. They bind to G protein-coupled receptors on the cell surface to elicit their effects. Bombesin-like peptide receptors include gastrin-releasing peptide receptor (MIM 305670), neuromedin B receptor (MIM 162341), and bombesin-like receptor-3 (BRS3) (Ohki-Hamazaki et al., 1997).
Other Notes	Small volumes of anti-BRS3 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 BRS3 purchase	MBS6009338 is an antibody targeting BRS3. Also known as BRS3, ID (BRS3, Bombesin receptor subtype-3). Reactive in Human, Mouse. Host: Rabbit.



Western Blot (WB) of anti-BRS3 antibody
Western blot analysis of BRS3 Antibody (Center) in mouse stomach tissue lysates (35ug/lane). BRS3 (arrow) was detected using the purified Pab.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for BRS3. It may not necessarily be applicable to this product.

NCBI GI #	4502455
NCBI GeneID	680
NCBI Accession #	NP_001718.1
UniProt Primary Accession #	P32247
UniProt Related Accession #	P32247
GenBank Nucleotide #	NM_001727.1
NCBI Official Full Name	bombesin receptor subtype-3
NCBI Official Synonym Full Names	bombesin-like receptor 3
NCBI Official Symbol	BRS3
UniProt Protein Name	Bombesin receptor subtype-3
Protein Family	Bombesin receptor
UniProt Gene Name	BRS3
UniProt Synonym Gene Names	BRS-3
UniProt Entry Name	BRS3_HUMAN
NCBI Protein Information	bombesin receptor subtype-3; BRS-3; G-protein coupled receptor; bombesin receptor subtype 3
NCBI Summary for BRS3	The protein encoded by this gene is a G protein-coupled membrane receptor that binds bombesin-like peptides. This binding results in activation of a phosphatidylinositol-calcium second messenger system, with physiological effects including regulation of metabolic rate, glucose metabolism, and hypertension. [provided by RefSeq, Sep 2011]

UniProt Comments for BRS3	BRS3: Role in sperm cell division, maturation, or function. This receptor mediates its action by association with G proteins that activate a phosphatidylinositol-calcium second messenger system. Belongs to the G-protein coupled receptor 1 family. Protein type: Receptor, GPCR; Membrane protein, integral; GPCR, family 1; Membrane protein, multi-pass Chromosomal Location of Human Ortholog: Xq26.3 Cellular Component: neuron projection; cell soma; integral to membrane; plasma membrane Molecular Function: bombesin receptor activity Biological Process: regulation of blood pressure; bombesin receptor signaling pathway; glucose metabolic process; adult feeding behavior
Research Articles on BRS3	**1.** BRS-3 plays an important role in glucose metabolism.
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.
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