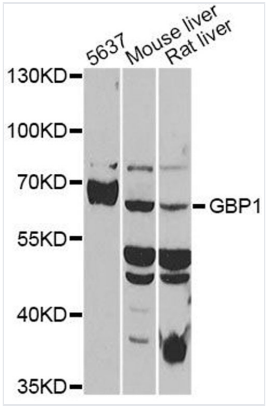
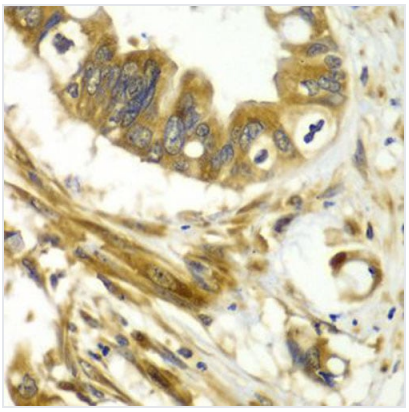
GBP1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	GBP1, Polyclonal Antibody
Full Product Name	GBP1 Polyclonal Antibody
Product Gene Name	anti-GBP1 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Purity/Purification	Affinity Purification
Concentration	1mg/ml (lot specific)
Preparation and Storage	Store at -20 degree C (regular) or -80 degree C (long term). Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Molecular Weight	592
OMIM	600411
3D Structure	ModBase 3D Structure for P32455
Species	Human
Immunogen	Recombinant protein of human GBP1
Calculated Molecular Weight	68kDa
Product Categories/Family for anti-GBP1 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-GBP1 antibody	Western Blot (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)
Application Notes for anti-GBP1 antibody	WB: 1:500-1:2000 IHC: 1:50-1:200 IF: 1:50-1:100
Related Product Information for anti-GBP1 antibody	Guanylate binding protein expression is induced by interferon. Guanylate binding proteins are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP) and are distinguished from the GTP-binding proteins by the presence of 2 binding motifs rather than 3.
Other Notes	Small volumes of anti-GBP1 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 GBP1 purchase	MBS128852 is an antibody targeting GBP1. Also known as GBP1 Polyclonal Antibody. Reactive in Human. Host: Rabbit.



Western Blot (WB) of anti-GBP1 antibody
Western blot analysis of extracts of various cell lines, using GBP1 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 10s.



Immunohistochemistry (IHC) of anti-GBP1 antibody
Immunohistochemistry of paraffin-embedded human liver cancer using GBP1 antibody at dilution of 1:100 (40x lens).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GBP1. It may not necessarily be applicable to this product.

NCBI GI #	311033383
NCBI GeneID	2633
NCBI Accession #	P32455.2
UniProt Primary Accession #	P32455
UniProt Secondary Accession #	Q5T8M1; D3DT26
UniProt Related Accession #	P32455
NCBI Official Full Name	Interferon-induced guanylate-binding protein 1
NCBI Official Synonym Full Names	guanylate binding protein 1, interferon-inducible
NCBI Official Symbol	GBP1
UniProt Protein Name	Interferon-induced guanylate-binding protein 1
UniProt Synonym Protein Names	GTP-binding protein 1; GBP-1; HuGBP-1; Guanine nucleotide-binding protein 1
Protein Family	Guanylate-binding protein
UniProt Gene Name	GBP1
UniProt Synonym Gene Names	GBP-1; HuGBP-1
UniProt Entry Name	GBP1_HUMAN
NCBI Protein Information	interferon-induced guanylate-binding protein 1; GBP-1; huGBP-1; GTP-binding protein 1; guanine nucleotide-binding protein 1; guanylate binding protein 1, interferon-inducible, 67kDa

UniProt Comments for GBP1	GBP1: a member of the family of large GTP-binding proteins (GBPs) that is inducible by interferon. Possesses a high GTP hydrolysis activity. GBPs are the most abundant cellular proteins expressed in response to interferon-gamma (IFN-gamma). IFN-gamma, tumor necrosis factor-alpha (TNF-alpha), and interleukin-1beta (IL-1beta) strongly induce the expression of GBP-1, -2, and -3. Protein type: Vesicle; Hydrolase; Cell adhesion Chromosomal Location of Human Ortholog: 1p22.2 Cellular Component: Golgi membrane; extracellular region; cytosol Molecular Function: GTPase activity; identical protein binding; GTP binding Biological Process: metabolic process; cytokine and chemokine mediated signaling pathway; defense response to virus
Research Articles on GBP1	**1.** GBP1 overexpression is necessary for the radioresistant phenotype in clinically relevant radioresistant cells
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-human-antibody/gbp1/128852