

Rabbit anti-Human, Mouse GBP2 Polyclonal Antibody | anti-GBP2 antibody

GBP2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323450	Rabbit	Human, Mouse	ELISA, Immunohistochemistry, Western Blot

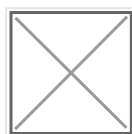
PRODUCT SYNONYMS

GBP2; Polyclonal Antibody; GBP2 Antibody; GBP 2; GTP binding protein 2; Guanine nucleotide binding protein 2; Guanylate binding protein 2 interferon inducible; HuGBP 2; HuGBP2; Interferon induced guanylate binding protein 2; anti-GBP2 antibody

PRODUCT SPECIFICATIONS

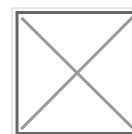
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	GBP2 antibody detects endogenous levels of total GBP2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	591
Applicable Applications for anti-GBP2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Cell Membrane; Lipid-Anchor; Cytoplasmic Side
Tissue Specificity	By IFNG/IFN-gamma during macrophage activation, and by TNF and IL1B.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)

AAA323450 at 1/100 staining Human cervical cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of GBP2 expression in human liver tissue lysate ;, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-GBP2 antibody	<p>Function: Hydrolyzes GTP to GMP in 2 consecutive cleavage reactions, but the major reaction product is GDP (PubMed:8706832). Exhibits antiviral activity against influenza virus. Promote oxidative killing and deliver antimicrobial peptides to autophagolysosomes, providing broad host protection against different pathogen classes (By similarity).</p> <p>Subunit Structure: Homodimer; homodimerization occurs upon GTP-binding and is required for the association with membranous structures. Heterodimer with other family members, including GBP1, GBP3, GBP4 and GBP5.</p> <p>Post-translational Modifications: Isoprenylation is required for proper subcellular location.</p> <p>Similarity: Belongs to the TRAFAC class dynamin-like GTPase superfamily. GB1/RHD3-type GTPase family. GB1 subfamily.</p>
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NCBI AND UNIPROT INFORMATION

NCBI GI #	38327558
NCBI GeneID	2634
NCBI Accession #	NP_004111.2
NCBI GenBank Nucleotide #	NM_004120.4
UniProt Accession #	P32456; Q6GPH0; Q6IAU2; Q86TB0
Molecular Weight	Observed: 67 kDa Predicted: 68 kDa
NCBI Official Full Name	guanylate-binding protein 2
NCBI Official Synonym Full Names	guanylate binding protein 2
NCBI Official Symbol	GBP2
NCBI Protein Information	guanylate-binding protein 2
UniProt Protein Name	Guanylate-binding protein 2
UniProt Gene Name	GBP2
UniProt Synonym Gene Names	GBP-2; HuGBP-2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.