

Rabbit GBP2 Polyclonal Antibody | anti-GBP2 antibody

GBP2 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA200409	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat Tested Species Reactivity Human	Western Blot

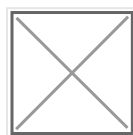
PRODUCT SYNONYMS

GBP2; Polyclonal Antibody; GBP2 antibody - N-terminal region; anti-GBP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat Tested Species Reactivity Human
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following region: HT KGIWMWCVPH PKKPEHTLVLDTEGLGDIE KGDNENDSWI FALAILLS
Sequence Length	591
Applicable Applications for anti-GBP2 antibody	WB (Western Blot)
Homology	Cow: 86%; Dog: 79%; Guinea Pig: 86%; Horse: 86%; Human: 100%; Mouse: 79%; Rabbit: 86%; Rat: 86%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human GBP2
Protein Size	591 amino acids
Protein Interactions	CNDP2; NANS; RPS6KA1; PEPD; MVD; GSR; GNS; GLA; G6PD; CASP7; CAPN1; ASS1; GSK3B; GADD45A; CSNK2B; BNIP3L; BID; ANXA7; MAPK8IP2; STK3; KLHL20; BTBD2; LSM2; PAFAH1B3; PPP1R8; MAGI1; TFG; SERPINB9; SEPHS1; FXR1; HSPE1; SAT1;
Preparation and Storage	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)

WB Suggested Anti-GBP2 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:312500
Positive Control: 721_B cell lysate



IHC (Immunohistochemistry)

Rabbit Anti-GBP2 antibody
Formalin Fixed Paraffin Embedded Tissue: Human Spleen
Primary antibody Concentration: 1:100
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20x
Exposure Time: 0.5-2.0sec



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Formalin Fixed Paraffin Embedded Tissue: Human Prostate
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ADDITIONAL INFORMATION

Related Product Information for anti-GBP2 antibody	This is a rabbit polyclonal antibody against GBP2. It was validated on Western Blot using a cell lysate as a positive control. Target Description: GBPs are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). GBP2 is a GTPase that converts GTP to GDP and GMP. Interferons are cytokines that have antiviral effects and inhibit tumor cell proliferation. They induce a large number of genes in their target cells, including those coding for the guanylate-binding proteins (GBPs). GBPs are characterized by their ability to specifically bind guanine nucleotides (GMP, GDP, and GTP). The protein encoded by this gene is a GTPase that converts GTP to GDP and GMP.
Product Categories/Family for anti-GBP2 antibody	Polyclonal; Lymphocyte Signaling; Chromatin & Nuclear Signaling; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	38327558
NCBI GeneID	2634
NCBI Accession #	NP_004111
NCBI GenBank Nucleotide #	NM_004120
UniProt Accession #	P32456
Molecular Weight	67kDa
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
UniProt Entry Name	GBP2_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/gbp2-antibody-western-blot-elisa/200409>