

Rabbit G3BP1 Polyclonal Antibody | anti-G3BP1 antibody

G3BP1 antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA198206	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat	Western Blot, Immunoprecipitation, Immunohistochemistry

PRODUCT SYNONYMS

G3BP1; Polyclonal Antibody; G3BP1 antibody - N-terminal region; anti-G3BP1 antibody

PRODUCT SPECIFICATIONS

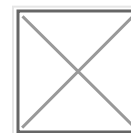
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat
Clonality	Polyclonal
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Sequence	Synthetic peptide with the following sequence: RF MQTFVLAPEG SVANKFYVHN DIFRYQDEVF GGFVTEPQEE SEEEVEEP
Sequence Length	466
Applicable Applications for anti-G3BP1 antibody	WB (Western Blot), IP (Immunoprecipitation), IHC (Immunohistochemistry)
Homology	Cow: 93%; Dog: 100%; Guinea Pig: 100%; Horse: 100%; Human: 100%; Mouse: 100%; Rabbit: 100%; Rat: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human G3BP1
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



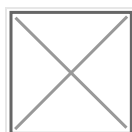
WB (Western Blot)

WB Suggested Anti-G3BP1 Antibody Titration: 0.2-1 ug/ml
ELISA Titer: 1:31250
Positive Control: HT1080 cell lysate
G3BP1 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells



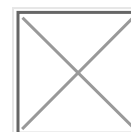
WB (Western Blot)

Lanes: 1. Human NT-2 cells (60ug) lysate 2. Mouse WT brain extract (80ug)
Primary Antibody Dilution: 2ug/ml
Secondary Antibody: IRDye 800CW goat anti-rabbit from Li-COR
Bioscience
Secondary Antibody Dilution: 1: 20,000
Gene Name: G3BP1
Submitted by: Dr. Yuzhi Chen, University of Arkansas for Medical Science



IP (Immunoprecipitation)

IP Suggested Anti-G3BP1 Antibody
Positive Control: NT2 CELL/BRAIN TISSUE



IP (Immunoprecipitation)

Sample Type: Rat brain
Amount and Sample Type : 500 ug rat brain homogenate
Amount of IP Antibody : 6 ug
Primary Antibody : G3BP1
Primary Antibody Dilution : 1:500
Secondary Antibody : Goat anti-rabbit Alexa-Fluor 594
Secondary Antibody Dilution : 1:5000
Gene Name : G3BP1
Submitted by : Dr. Yuzhi Chen, University of Arkansas for Medical Science



IHC (Immunohistochemistry)

Rabbit Anti-G3BP1 Antibody
Formalin Fixed Paraffin Embedded Tissue: Human heart
Tissue
Observed Staining: Cytoplasmic, plasma membrane
Primary Antibody Concentration: 1:100
Other Working Concentrations: 1:600
Secondary Antibody: Donkey anti-Rabbit-Cy3
Secondary Antibody Concentration: 1:200
Magnification: 20X
Exposure Time: 0.5 - 2.0 sec

ADDITIONAL INFORMATION

Related Product Information for anti-G3BP1 antibody	This is a rabbit polyclonal antibody against G3BP1. It was validated on Western Blot using a cell lysate as a positive control. Target Description: This gene encodes one of the DNA-unwinding enzymes which prefers partially unwound 3'-tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding
Product Categories/Family for anti-G3BP1 antibody	Polyclonal ; RNA Binding Proteins ; Lymphocyte Signaling ; Chromatin & Nuclear Signaling ; DNA/RNA/Protein Interactions

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031703
NCBI GeneID	10146
NCBI Accession #	NP_005745
NCBI GenBank Nucleotide #	NM_005754
UniProt Accession #	Q13283
Molecular Weight	52kDa
NCBI Official Full Name	ras GTPase-activating protein-binding protein 1
NCBI Official Synonym Full Names	G3BP stress granule assembly factor 1
NCBI Official Symbol	G3BP1
NCBI Official Synonym Symbols	G3BP; HDH-VIII
NCBI Protein Information	ras GTPase-activating protein-binding protein 1
UniProt Protein Name	Ras GTPase-activating protein-binding protein 1
UniProt Gene Name	G3BP1
UniProt Synonym Gene Names	G3BP; G3BP-1; hDH VIII
UniProt Entry Name	G3BP1_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/g3bp1-antibody-western-blot-immunoprecipitation-immunohistochemistry-elisa/198206>