

Datasheet for ABIN2780222
anti-G3BP1 antibody (N-Term)

6 Images

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Overview

Quantity:	100 µL
Target:	G3BP1
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Horse, Cow, Guinea Pig, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This G3BP1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human G3BP1
Sequence:	RFMQTFVLAP EGSVANKFYV HNDIFRYQDE VFGGFVTEPQ EEEEEVEEP
Predicted Reactivity:	Cow: 93%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against G3BP1. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	G3BP1
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Target Details

Alternative Name:	G3BP1 (G3BP1 Products)
Background:	<p>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</p> <p>Alias Symbols: G3BP, HDH-VIII, MGC111040</p> <p>Protein Interaction Partner: UBC, USP10, FXR2, MDM2, RNF2, BMI1, RPS27L, EDC4, RPL35, RPL14, EIF2B3, EIF3C, PTBP1, PIN1, PA2G4, YBX1, HNRNPU, FAU, SH3RF2, TARDBP, FBX025, RIOK2, SND1, VCAM1, env, ITGA4, IL7R, FN1, EPHA8, DTX1, PABPC1, PAXIP1, ESR1, APP, NOLC1, TPM4, LCK, CSK, KCND3,</p> <p>Protein Size: 466</p>
Molecular Weight:	52 kDa
Gene ID:	10146
NCBI Accession:	NM_005754 , NP_005745
UniProt:	Q13283
Pathways:	SARS-CoV-2 Protein Interactome

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 466 AA
Restrictions:	For Research Use only

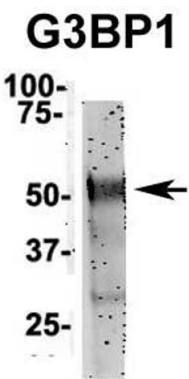
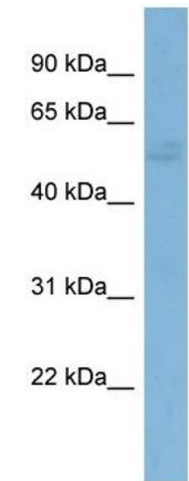
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.

Handling

Storage:	-20 °C
Storage Comment:	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.

Validation report #100057 for Western Blotting (WB)



Western Blotting

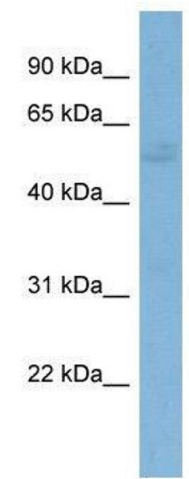
Image 1. WB Suggested Anti-G3BP1 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:312500 Positive Control: HT1080 cell lysate G3BP1 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells

Western Blotting

Image 2. IP Suggested Anti-G3BP1 Antibody

Positive Control: NT2 CELL/BRAIN TISSUE

See Other Application 1 Data and Customer Feedback tab for more information.



Western Blotting

Image 3. WB Suggested Anti-G3BP1

Antibody Titration: 0.2-1 µg/mL ELISA Titer: 1:12500

Positive Control: HT1080 cell lysate

G3BP1 is strongly supported by BioGPS gene expression data to be expressed in Human HT1080 cells

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2780222.