

G3BP-1(Ab-232) Antibody

Catalog No: #21102

Package Size: #21102-1 50ul #21102-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	G3BP-1(Ab-232) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous level of total G3BP-1 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa.230~234 (S-S-S-P-A) derived from Human G3BP-1.
Target Name	G3BP-1
Other Names	G3BP; GAP SH3-domain binding protein 1;
Accession No.	Swiss-Prot: Q13283NCBI Protein: NP_005745.1
Uniprot	Q13283
GeneID	10146;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

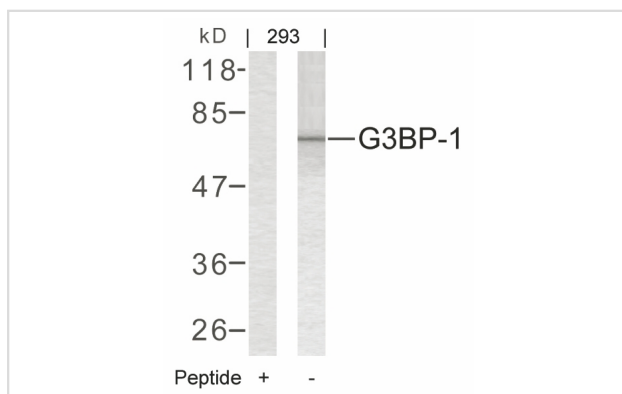
Application Details

Predicted MW: 60kd

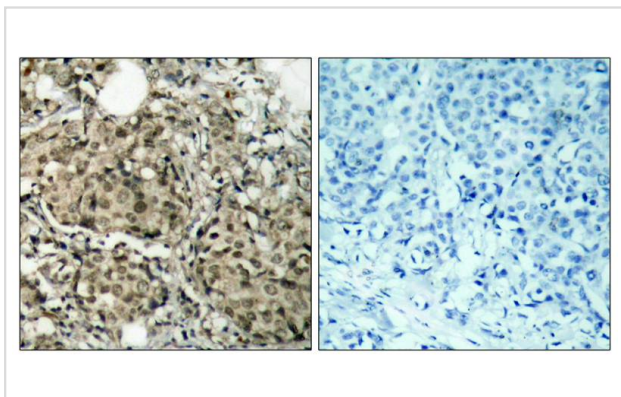
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images



Western blot analysis of extracts from 293 cells using G3BP-1(Ab-232) Antibody #21102 and the same antibody preincubated with blocking peptide.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using G3BP-1(Ab-232) Antibody #21102(left) or the same antibody preincubated with blocking peptide(right).

Background

May be a regulated effector of stress granule assembly. Phosphorylation-dependent sequence-specific endoribonuclease in vitro. Cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-UTR. ATP- and magnesium-dependent helicase. Unwinds preferentially partial DNA and RNA duplexes having a 17 bp annealed portion and either a hanging 3' tail or hanging tails at both 5'- and 3'-ends. Unwinds DNA/DNA, RNA/DNA, and RNA/RNA substrates with comparable efficiency. Acts unidirectionally by moving in the 5' to 3' direction along the bound single-stranded DNA.

Tao WA, et al. (2005) *Nat Methods*. 2 (8): 591-598.

Zheng H, et al. (2005) *Mol Cell Proteomics*. 4(6):721-730.

Beausoleil SA, et al. (2004) *Proc Natl Acad Sci USA*. 101 (33): 12130-12135.

Tourrihre H, et al. (2003) *J Cell Biol*. 160 (6): 823-831.

Note: This product is for in vitro research use only