G3BP-1(Ab-232) Antibody

Catalog No: #21102

Package Size: #21102-1 50ul #21102-2 100ul #21102-4 25ul

Overview

Product Name	G3BP-1(Ab-232) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Applications	WB IHC
Species Reactivity	Hu
Immunogen Type	Peptide-KLH
Target Name	G3BP-1
Alternative Names	G3BP; GAP SH3-domain binding protein 1;

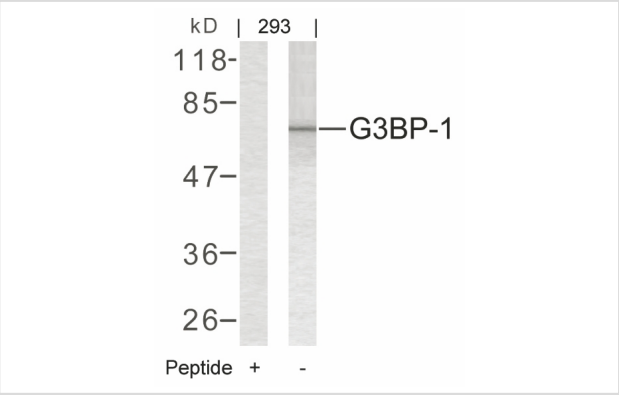
Application Details

Predicted MW: 60kd

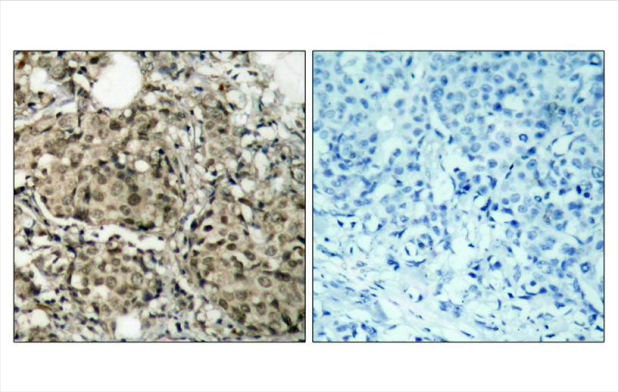
Western blotting: 1:500~1:1000

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).

Descriptions

Immunogen	Peptide sequence around aa.230~234 (S-S-S-P-A) derived from Human G3BP-1.
Specificity	The antibody detects endogenous level of total G3BP-1 protein.
Purifiction	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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.
Accession NO.	Swiss-Prot: Q13283NCBI Protein: NP_005745.1

Related Information

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.