35-1455: Polyclonal Antibody to G3BP-1 (Ab-232)

Clonality :	Polyclonal
Application :	WB,IHC
Reactivity :	Human
Gene :	G3BP1
Gene ID :	10146
Uniprot ID :	Q13283
Format :	Purified
Alternative Name :	G3BP, GAP SH3-domain binding protein 1
Isotype :	Rabbit IgG
Immunogen Information :	Peptide sequence around aa.230~234 (S-S-S-P-A) derived from Human G3BP-1.

Description

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.

Product Info

Amount :	50 µl / 100 µl
Content :	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 condition :	Store the antibody at 4°C, stable for 6 months. For long-term storage, store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Predicted MW: 60kd, Western blotting: 1:500~1:1000, Immunohistochemistry: 1:50~1:100
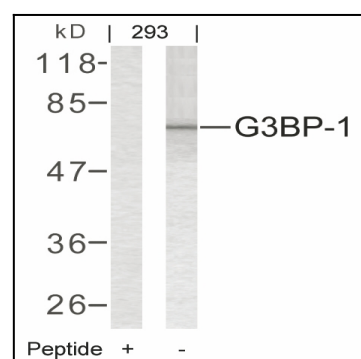

Figure 1: Western blot analysis of extracts from 293 cells using G3BP-1 (Ab-232) Antibody 35-1455 and the same antibody preincubated with blocking peptide.

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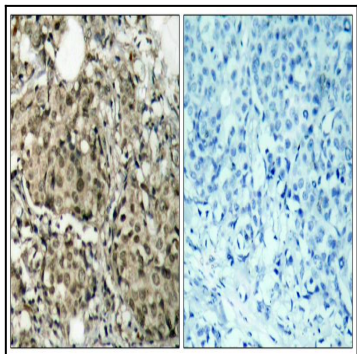
Figure 2: Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using G3BP-1 (Ab-232) Antibody 35-1455 (left) or the same antibody preincubated with blocking peptide(right).