

## G3BP Rabbit mAb

Catalog No: #52297

Package Size: #52297-1 50ul #52297-2 100ul

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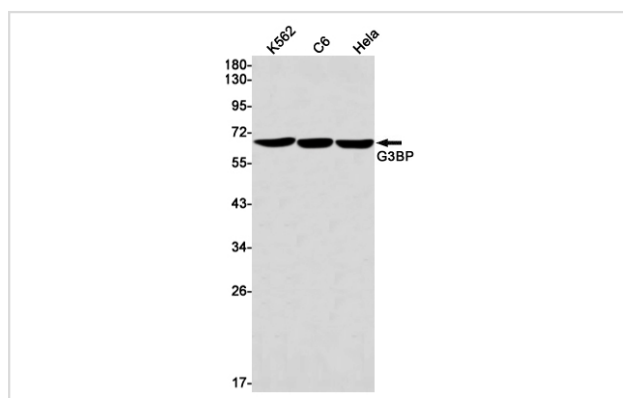
## Description

Product Name	G3BP Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	S09-5B9
Isotype	Rabbit IgG
Purification	Affinity Purified
Applications	WB IF
Species Reactivity	Human
Immunogen Description	A synthetic peptide of human G3BP
Conjugates	Unconjugated
Modification	Unmodification
Other Names	G3BP; HDH-VIII
Accession No.	Swiss-Prot:Q13283GeneID:10146
Uniprot	Q13283
GeneID	10146
Calculated MW	Calculated MW: 52 kDa; Observed MW: 68 kDa
Concentration	0.3 mg/ml
Formulation	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

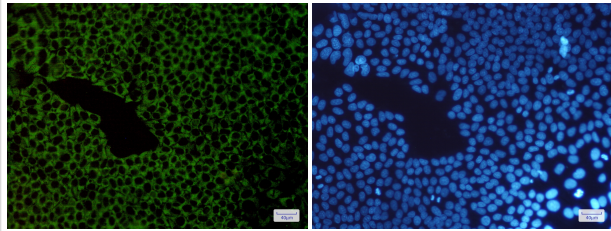
## Application Details

WB: 1/2000-1/10000; ICC/IF: 1/50-1/200;

## Images



Western blot detection of G3BP in K562,C6,Hela cell lysates using G3BP Rabbit mAb(1:1000 diluted).Predicted band size:52kDa.Observed band size:68kDa.



Immunofluorescence of G3BP(green) in HeLa cells using G3BP Rabbit mAb at dilution 1/200, and DAPI(blue)

## Background

Swiss-Prot Acc.Q13283.ATP- and magnesium-dependent helicase (PubMed:9889278). 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 (PubMed:9889278). Unwinds DNA/DNA, RNA/DNA, and RNA/RNA substrates with comparable efficiency (PubMed:9889278). Acts unidirectionally by moving in the 5' to 3' direction along the bound single-stranded DNA (PubMed:9889278). Phosphorylation-dependent sequence-specific endoribonuclease in vitro (PubMed:11604510). Cleaves exclusively between cytosine and adenine and cleaves MYC mRNA preferentially at the 3'-UTR (PubMed:11604510). May be a regulated effector of stress granule assembly (PubMed:12642610, PubMed:20180778).

Note: This product is for in vitro research use only