

## Product datasheet for **AP06127PU-S**

### **G3BP (G3BP1) Rabbit Polyclonal Antibody**

#### **Product data:**

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	<b>Western blot:</b> 1/500-1/1000. <b>Immunohistochemistry on paraffin sections:</b> 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 196-246 of Human G3BP-1.
Specificity:	This antibody detects endogenous levels of G3BP-1 protein. (region surrounding Asp226)
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (> 95% pure by SDS-PAGE) Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE)
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 50 kDa
Gene Name:	G3BP stress granule assembly factor 1
Database Link:	<a href="#">Entrez Gene 10146 Human Q13283</a>



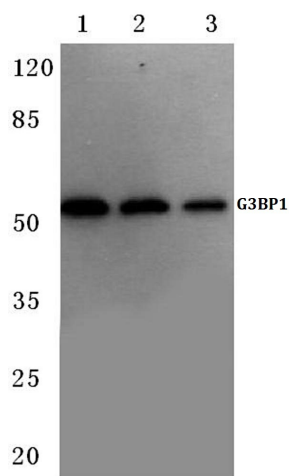
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**Background:**

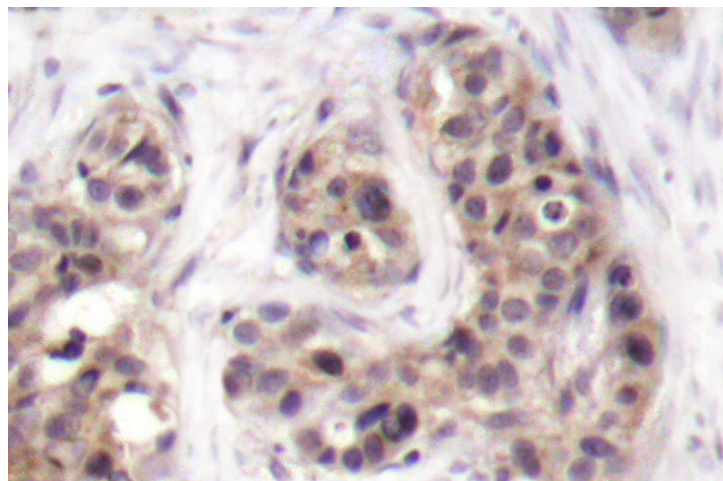
G3BP is one of the DNA-unwinding enzymes which prefers partially unwound 3'-tailed substrates and can also unwind partial RNA/DNA and RNA/RNA duplexes in an ATP-dependent fashion. This enzyme is a member of the heterogeneous nuclear RNA-binding proteins and is also an element of the Ras signal transduction pathway. It binds specifically to the Ras-GTPase-activating protein by associating with its SH3 domain. Several alternatively spliced transcript variants of this gene have been described, but the full-length nature of some of these variants has not been determined.

**Synonyms:**

G3BP-1, hDH VIII

**Product images:**

Western blot (WB) analysis of G3BP-1 antibody at 1/500 dilution Lane 1:A549 whole cell lysate Lane 2:Mouse heart tissue lysate Lane 3:Rat heart tissue lysate



Immunohistochemistry (IHC) analyzes of G3BP-1 antibody in paraffin-embedded human lymphoma tissue.