bs-5376R **[Primary Antibody]**

phospho-G3BP1 (Ser232) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 10146 **SWISS:** Q13283

Target: G3BP1 (Ser232)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human G3BP1 around the phosphorylation site of Ser232: SS(p-S)PA.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: This gene encodes 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. [provided by RefSeq].

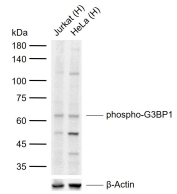
Applications: **WB** (1:500-2000)

Reactivity: Human (predicted: Rabbit, Pig, Cow)

Predicted MW.: 52-60 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Lane 1: Human Jurkat cell lysates Lane 2: Human HeLa cell lysates Primary: Anti-phospho-G3BP1 (Ser232) (bs-5376R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 52-60 kDa Observed band size: 62 kDa

SELECTED CITATIONS

- **[IF=5.06]** Luo, Rui, et al. "Label-free quantitative phosphoproteomic analysis reveals differentially regulated proteins and pathway in PRRSV infected pulmonary alveolar macrophages." Journal of Proteome Research (2014). WB ;Pig. 24533505