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[Marker Primary Antibody]

Rabbit Anti-G3BP2/Biotin Conjugated antibody

Catalog Number: SL13252R-Bio

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Anti-G3BP2/Biotin
Immunogen:	KLH conjugated synthetic peptide derived from human G3BP2
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Applications:	WB=1:500-2000 not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Mouse,Rat(predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Background:	background: G3BP2 (GTPase activating protein (SH3 domain) binding protein 2) is a 482 amino acid protein that localizes to the cytoplasm and contains one NTF2 domain and one RRM domain. Existing as two alternatively spliced isoforms, G3BP2 acts as a scaffold protein that is thought to be involved in mRNA transport and is subject to post-translational methylation on select arginine residues. The gene encoding G3BP2 maps to human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes. Defects in some of the genes located on chromosome 4 are associated with Huntington's disease, Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease. **Function:** Probable scaffold protein that may be involved in mRNA transport. **Subunit:** Binds to the N-terminal domain of I-kappa-B-alpha. **Subcellular Location:** Cytoplasm. **Post-translational modifications:** Arg-457 and Arg-468 are dimethylated,

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	probably to asymmetric dimethylarginine. **Similarity:** Contains 1 NTF2 domain. Contains 1 RRM (RNA recognition motif) domain. **Database links:** **Entrez Gene:** 9908 Human **Entrez Gene:** 23881 Mouse **Entrez Gene:** 305240 Rat **SwissProt:** Q9UN86 Human **SwissProt:** P97379 Mouse **SwissProt:** Q5R9L3 Orangutan **Unigene:** 303676 Human **Unigene:** 290530 Mouse **Unigene:** 473827 Mouse Important **Note:** This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.