

Anti-G3BP2 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 54 kDa. Actual: 54 kDa.
Purification:	Protein A purified

Applications

Verified Activity:	1. Sample: Heart (Rat) Lysate at 40 µg Primary: Anti-G3BP2 (TMAB-06238) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD
	2. Sample: Brain (Mouse) Lysate at 40 µg Cerebellum (Mouse) Lysate at 40 µg Primary: Anti-G3BP2 (TMAB-06238) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 54 kD Observed band size: 54 kD
Application:	WB
Recommended	WB: 1:500-2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human G3BP2
Antigen Species:	Human
Gene ID:	9908
Uniprot ID:	Q9UN86

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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