

## Anti-STAT2 Antibody Picoband® Biotin Conjugated

Catalog Number: A01360-Biotin

### About STAT2

Signal transducer and activator of transcription 2 (STAT2) is a protein that in humans is encoded by the STAT2 gene. The protein encoded by this gene is a member of the STAT protein family. The International Radiation Hybrid Mapping Consortium mapped the STAT2 gene to chromosome 12. STAT2 is a transcription factor critical to the signal transduction pathway of type I interferons. ISGF3 (STAT2) assembly involves p48 functioning as an adaptor protein to recruit Stat1 and Stat2 to an IFN- $\alpha$ -stimulated response element, Stat2 contributes a potent transactivation domain but is unable to directly contact DNA, while Stat1 stabilizes the heteromeric complex by contacting DNA directly.

### Overview

Product Name	Anti-STAT2 Antibody Picoband® Biotin Conjugated
Reactive Species	Human
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P52630

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human STAT2, which shares 73.5% and 76.5% amino acid (aa) sequence identity with mouse and rat STAT2, respectively.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Biotin
Suggested Dilutions	The intended application should be selected according to the customer's experimental requirements.

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