

## Anti-STAT2 Antibody Picoband® PE Conjugated

Catalog Number: A01360-PE

### 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® PE Conjugated
Reactive Species	Human
Application	Recommended applications are based on the parent unconjugated antibody (Flow Cytometry, IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
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. Protect from light.
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	PE Excitation Wavelength: 566 nm Emission Wavelength: 574 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

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Anti-STAT2 Antibody - PE

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