

## Anti-TRAM2 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PA2011-Fluoro647

### About Tram2

TRAM2 (Translocation-Associating Membrane Protein 2), also called KIAA0057, is a protein that in humans is encoded by the TRAM2 gene. TRAM2 is a component of the translocon, a gated macromolecular channel that controls the posttranslational processing of nascent secretory and membrane proteins at the endoplasmic reticulum (ER) membrane. By genomic sequence analysis, Onuchic et al. (1999) mapped the TRAM2 gene to chromosome 6p21.1-p12 near the PKHD1 gene. Upon activation, quiescent hepatic stellate cells proliferate, change morphologically into myofibroblasts, and increase their synthesis of extracellular matrix proteins. Stefanovic et al. (2004) demonstrated that both TRAM2 and collagen type I are upregulated in activated rat and human hepatic stellate cells.

### Overview

Product Name	Anti-TRAM2 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
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	Q924Z5

### Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of mouse TRAM2, identical to the related rat sequence, and different from the related human sequence by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

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