

Datasheet for ABIN7599843  
**anti-IMP4 antibody (AA 1214-1555)**



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## Overview

Quantity:	100 µg
Target:	IMP4
Binding Specificity:	AA 1214-1555
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IMP4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Flow Cytometry (FACS), Immunocytochemistry (ICC), Immunofluorescence (IF)

## Product Details

Purpose:	Anti-IMP4 Antibody Picoband®
Immunogen:	E.coli-derived human PCF11 recombinant protein (Position: N1214-V1555).
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Anti-IMP4 Antibody Picoband® (ABIN7599843). Tested in ELISA, IF, ICC, WB, Flow Cytometry applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

## Target Details

Target:	IMP4
Alternative Name:	IMP4 ( <a href="#">IMP4 Products</a> )
Background:	<p>Synonyms: 70 kDa ribosomal protein S6 kinase 1 antibody, KS6B1_HUMAN antibody, p70 alpha antibody, P70 beta 1 antibody, p70 ribosomal S6 kinase alpha antibody, p70 ribosomal S6 kinase beta 1 antibody, p70 S6 kinase alpha antibody, P70 S6 Kinase antibody, p70 S6 kinase alpha 1 antibody, p70 S6 kinase alpha 2 antibody, p70 S6K antibody, p70 S6K-alpha antibody, p70 S6KA antibody, p70(S6K) alpha antibody, p70(S6K)-alpha antibody, p70-alpha antibody, p70-S6K 1 antibody, p70-S6K antibody, P70S6K antibody, P70S6K1 antibody, p70S6Kb antibody, PS6K antibody, Ribosomal protein S6 kinase 70 kDa polypeptide 1 antibody, Ribosomal protein S6 kinase beta 1 antibody, Ribosomal protein S6 kinase beta-1 antibody, Ribosomal protein S6 kinase I antibody, RPS6KB1 antibody, S6K antibody, S6K-beta-1 antibody, S6K1 antibody, Serine/threonine kinase 14 alpha antibody, Serine/threonine-protein kinase 14A antibody, STK14A antibody</p> <p>Tissue Specificity: Expressed in all tissues.</p> <p>Background: U3 small nucleolar ribonucleoprotein protein IMP4 is a protein that in humans is encoded by the IMP4 gene. The protein encoded by this gene, along with IMP3 and MPP10, is part of the 60-80S U3 small nucleolar ribonucleoprotein (U3 snoRNP) complex. This complex is necessary for the early cleavage steps of pre-18S ribosomal RNA processing. Several transcript variants encoding different isoforms have been found for this gene.</p>
Molecular Weight:	36 kDa
Gene ID:	92856
UniProt:	<a href="#">Q96G21</a>

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human</p> <p>Flow Cytometry (Fixed), 1-3 µg/1x10<sup>6</sup> cells, Human</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Granneman, S., Gallagher, J. E. G., Vogelzangs, J., Horstman, W., van Venrooij, W. J., Baserga, S. J., Pruijn, G. J. M. The human Imp3 and Imp4 proteins form a ternary complex with hMpp10, which only interacts with the U3 snoRNA in 60-80S ribonucleoprotein complexes. Nucleic Acids Res. 31: 1877-1887, 2003.</p>
Restrictions:	For Research Use only

## Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na <sub>2</sub> HPO <sub>4</sub> .
Storage:	4 °C, -20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.