

Datasheet for ABIN7601211  
**anti-MSRB3 antibody (AA 30-170)**



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## Overview

Quantity:	100 µg
Target:	MSRB3
Binding Specificity:	AA 30-170
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MSRB3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

## Product Details

Purpose:	Anti-MSRB3 Antibody Picoband®
Immunogen:	E.coli-derived human MSRB3 recombinant protein (Position: A30-D170).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-MSRB3 Antibody Picoband® (ABIN7601211). Tested in ELISA, WB 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:	MSRB3
Alternative Name:	MSRB3 ( <a href="#">MSRB3 Products</a> )
Background:	<p>Synonyms: Pancreatic secretory granule membrane major glycoprotein GP2, Pancreatic zymogen granule membrane protein GP-2, Gp2</p> <p>Tissue Specificity: Expressed in all tissues tested including, liver, heart, adipose tissue, mammary gland, testes, ovary, brain, kidney and muscle. Highest levels in liver.</p> <p>Background: The protein encoded by this gene catalyzes the reduction of methionine sulfoxide to methionine. This enzyme acts as a monomer and requires zinc as a cofactor. Several transcript variants encoding two different isoforms have been found for this gene. One of the isoforms localizes to mitochondria while the other localizes to endoplasmic reticula.</p>
Molecular Weight:	21 kDa
Gene ID:	253827

## Application Details

Application Notes:	<p>Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat</p> <p>ELISA, 0.1-0.5 µg/mL, -</p> <p>1. Ahmed, Z. M., Yousaf, R., Lee, B. C., Khan, S. N., Lee, S., Lee, K., Husnain, T., Rehman, A. U., Bonneux, S., Ansar, M., Ahmad, W., Leal, S. M., Gladyshev, V. N., Belyantseva, I. A., Van Camp, G., Riazuddin, S., Friedman, T. B., Riazuddin, S. Functional null mutations of MSRB3 encoding methionine sulfoxide reductase are associated with human deafness DFNB74. Am. J. Hum. Genet. 88: 19-29, 2011. 2. Hartz, P. A. Personal Communication. Baltimore, Md. 2/1/2011. 3. Kim, H.-Y., Gladyshev, V. N. Characterization of mouse endoplasmic reticulum methionine-R-sulfoxide reductase. Biochem. Biophys. Res. Commun. 320: 1277-1283, 2004.</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 Na2HPO4.
Storage:	4 °C, -20 °C

## Handling

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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.