

Datasheet for ABIN5564218 **anti-BRP44 antibody**



[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	BRP44
Reactivity:	Human, Mouse
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BRP44 antibody is un-conjugated
Application:	Western Blotting (WB), Immunoprecipitation (IP)

Product Details

Immunogen:	Peptide coupled to KLH.
Clone:	JCM-1
Isotype:	IgG2b
Specificity:	Recognizes endogenous human and mouse MPC-2.
Cross-Reactivity:	Human, Mouse (Murine)

Target Details

Target:	BRP44
Alternative Name:	MPC-2 (BRP44 Products)
Background:	Pyruvate is the end-product of glycolysis, a major substrate for oxidative metabolism, and a branching point for glucose, lactate, fatty acid and amino acid synthesis. The mitochondrial

Target Details

enzymes that metabolize pyruvate are physically separated from cytosolic pyruvate pools and rely on a membrane transport system to shuttle pyruvate across the impermeable inner mitochondrial membrane (IMM). Two proteins, mitochondrial pyruvate carriers MPC-1 and MPC-2, form a heterooligomeric complex in the IMM to facilitate pyruvate transport. This step is required for mitochondrial pyruvate oxidation and carboxylation-critical reactions in intermediary metabolism that are dysregulated in several common metabolic diseases.

Pathways: [Warburg Effect](#)

Application Details

Restrictions: For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	In PBS containing 25 % glycerol and 0.02 % sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: -20°C Stable for at least 1 year after receipt when stored at -20°C.
Expiry Date:	12 months