



**RABBIT ANTI-MONOCARBOXYLATE TRANSPORTER 1 (MCT1)
AFFINITY PURIFIED
POLYCLONAL ANTIBODY**

CATALOG NUMBER:	AB3540P	QUANTITY:	50 µg
LOT NUMBER:		CONCENTRATION:	1.0 mg/mL
SPECIFICITY:	Recognizes rat Monocarboxylate Transporter 1 (MCT1). The immunogen shows no significant sequence homology with other MCTs.		
IMMUNOGEN:	A 17 amino acid peptide sequence near the C-terminus of rat MCT1 (1).		
APPLICATIONS:	Western blot: 1-5 µg/mL using ECL. Immunohistochemistry: not tested. It is recommended that the antibody be tried at 3-10 µg/mL on neutral buffered formaldehyde fixed tissue. ELISA: 1:10,000-1:100,000 using 50-100 ng control peptide per well. Optimal working dilutions must be determined by the end user.		
SPECIES REACTIVITY:	Rat. The immunogen sequence is 93% conserved in hamster, 80% in mouse and only 40% in human. Reactivity with other species has not been confirmed.		
FORMAT:	Affinity purified immunoglobulin.		
PRESENTATION:	Liquid in PBS containing 0.1% BSA .		
STORAGE/HANDLING:	Maintain at -20°C in undiluted aliquots for up to 6 months after date of receipt. Avoid repeated freeze/thaw cycles.		
REFERENCES:	1) <i>Am. J. Physiology Endocrinol. Metabol.</i> (1997) 36 :E207-E213; <i>Diabetologia</i> (1999) 42 :870-877; <i>J. Biol. Chem.</i> (1999) 274 :284220-284220; Takanaga H et al (1995) <i>BBRC</i> 217 :370-377; Carpenter L et al (1996) <i>Biochim. Biophys. Acta</i> 1279 :157-163; Koehler-Stec EM et al (1998) <i>Am. J. Physiol.</i> 275 :E516-E524; Yoon H et al (1999) <i>Genomics</i> 60 :366-370; Halestrap AP and Price NT (1999) <i>Biochem J.</i> 343 :281-299 (review).		

Important Note: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

**FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION**

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