



RABBIT ANTI-SIM1 POLYCLONAL ANTIBODY

CATALOG NUMBER:	AB4144	QUANTITY:	100 µg
LOT NUMBER:			
ALTERNATE NAMES:	Single-minded Homolog 1		
SPECIFICITY:	Recognizes SIM1. The calculated molecular weight is ~85.5 kDa.		
IMMUNOGEN:	Synthetic peptide corresponding to amino acids 423-435 of human SIM1 (ADRPGSQHDASCA).		
APPLICATIONS:	Immunocytochemistry: 1/200 to 1/1000. Optimal dilutions must be determined by the user.		
SPECIES REACTIVITY:	Human and rodent. Reactivity with other species has not been determined.		
PREPARATION AND USE:	To reconstitute the antibody, centrifuge the antibody vial at moderate speed (5,000 rpm) for 5 minutes to pellet the precipitated antibody product. Carefully remove the ammonium sulfate/PBS buffer solution and discard. It is not necessary to remove all of the ammonium sulfate/PBS solution: 10 µL of residual ammonium sulfate solution will not effect the resuspension of the antibody. Do not let the protein pellet dry, as severe loss of antibody reactivity can occur. Resuspend the antibody pellet in any suitable biological buffer, standard PBS or TBS (pH 7.3-7.5) are typical. Volumes required are not critical but it is suggested that the final antibody concentration be between 0.1 mg/mL and 1.0 mg/mL. For example, to achieve a 1 mg/mL concentration with 50 µg of precipitated antibody, the amount of buffer needed would be 50 µL. Carefully add the liquid buffer to the pellet. DO NOT VORTEX. Mix by gentle stirring with a wide pipet tip or gentle finger-tapping. Let the precipitated antibody rehydrate for 1 hour at 4-25°C prior to use. Small particles of precipitated antibody that fail to resuspend are normal. Vials are overfilled to compensate for any losses.		
PRESENTATION:	Affinity purified immunoglobulin precipitated in a solution of 50% saturated ammonium sulfate and PBS containing no preservatives.		
STORAGE/HANDLING:	Maintain unopened vial at -20°C for up to 6 months. Avoid repeated freeze/thaw cycles. The rehydrated antibody solutions can be stored undiluted at 2-8°C for 2 months without any significant loss of activity. Note, the solution is not sterile, thus care should be taken if product is stored at 2-8°C. For storage at -20°C, the addition of an equal volume of glycerol can be used, however, it is recommended that ACS grade or higher glycerol be used, as significant loss of activity can occur if the glycerol used is not of high quality.		



For freezing, it is recommended that the rehydrated antibody solution be further diluted 1:1 with a 2% BSA (fraction V, highest-grade available) solution made with the rehydration buffer. The resulting 1% BSA/antibody solution can be aliquoted and stored frozen at -70°C for up to 6 months. Avoid repeated freeze/thaw cycles.

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 μ L 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.*

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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