



MOUSE ANTI-CLATHRIN MONOCLONAL ANTIBODY

CATALOG NUMBER:	CBL188	QUANTITY:	100 µg
LOT NUMBER:			
CLONE NAME:	CHC5.9	HOST/ISOTYPE:	Ms IgM
SPECIFICITY:	CHC5.9 represents an excellent marker for detection of receptor-mediated endocytosis. This antibody reacts with the clathrin heavy chain from a diverse range of species. It detects coated vesicles from different organs and tissues (e.g. brain, ovary, mammary gland). In nervous tissue it cross-reacts with another coated vesicle polypeptide of 190 kDa which is not present in isolated clathrin triskelions. In some epithelial cells of certain species the antibody may cross-react with a cytokeratin component.		
APPLICATIONS:	Western blot: 1:100 – 1:500 using ECL detection <u>Immunohistochemistry</u> : 1:10; Frozen tissue sections <i>Optimal working dilutions must be determined by the end user.</i>		
SPECIES REACTIVITY:	Human, rat, bovine, porcine and amphibian. Reactivity with other species has not been confirmed.		
IMMUNOGEN:	Coated vesicles (clathrin) of bovine brain.		
CONTROL:	Positive reactions using HeLa, SV-40 and RVF-SMC cultured cell lines.		
PRESENTATION:	The antibody was purified by gel filtration and is presented as 100 µg of lyophilized material. Reconstitute with 1 mL distilled water. Final solution is PBS, pH 7.4.		
STORAGE/HANDLING:	Maintain at 2°-8°C for up to 12 months from date of receipt.		
REFERENCES:	Qualmann B, Kessels MM and Kelly RB. (2000) Molecular links between endocytosis and the actin cytoskeleton. <i>J. Cell Biol.</i> 150 : F111-F116. Hirst J and Robinson MS. (1998) Clathrin and adaptors. <i>Biochim. Biophys. Acta</i> 1404 : 173-193. Bruder, G. and Wiedenmann, B. (1986). Bruder G and Wiedenmann B. (1986) Identification of a distinct 9S form of soluble clathrin in cultured cells and tissues. <i>Exp. Cell Res.</i> 164 :449-62.		

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.

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PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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