



Code No.KAL-KR052-EX

For Research Use Only

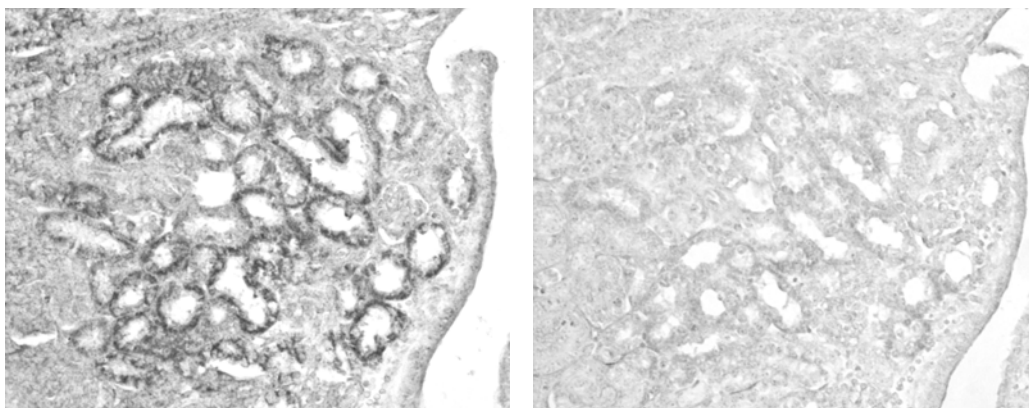
Anti POEM/nephronectin Polyclonal Antibody, Rabbit

POEM : Pre osteoblastic EGF repeat protein with MAM domain

POEM (Pre osteoblastic EGF repeat protein with MAM domain)/nephronectin is a novel ligand for $\alpha 8\beta 1$ integrin. Its mRNA and protein is widely expressed in developing embryo, such as kidney, bone, muscles and endocrine organs except uriniferous tubule after childbirth. POEM/nephronectin estimated to encode a 60k dalton protein which has several functional domains, such as a signal sequence, five EGF-like repeated sequences, a proline-rich domain, a RGD cell binding motif and a MAM domain. POEM/nephronectin protein is firmly bound to the cell surface after its secretion and not observed in culture medium. Recent research results indicate that not only the MAM domain but also the RGD cell binding motif in POEM/nephronectin protein plays an important role in cell adhesion, spreading, and survival.

This antibody was established from the purified serum immunized with a short peptide of mouse POEM/nephronectin. It is useful for immunohistochemical detection of POEM/nephronectin.

Package Size	50 μ g (200 μ L/vial)
Format	Rabbit polyclonal antibody 0.25mg/mL
Buffer	PBS [containing 50% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage	Below -20°C
Purification method	This antibody was purified from rabbit serum by affinity chromatography.
Working dilution	For Immunohistochemistry ; 0.2~0.5 μ g/mL



Immunohistochemistry

Sample : Mouse Kidney
left; Anti POEM/nephronectin Antibody
right; control (Rabbit IgG)

Preparation of antibodies and instruction :
Drs. Tezuka K. at Department of Tissue and Organ Development, Regeneration
and Advanced Medical Science, Gifu University Graduate School of Medicine



Anti POEM/nephronectin Polyclonal Antibody, Rabbit

POEM : Pre osteoblastic EGF repeat protein with MAM domain

【Reference】

1. Morimura N. et al. : J Biol Chem. 2001 Nov 9; 276(45):42172-81
2. Brandenberger R. et al. : J Cell Biol. 2001 Jul 23;154(2):447-58

Distributor



COSMO BIO Co., LTD.
Inspiration for Life Science

TOYO EKIMAE BLDG. 2-20, TOYO 2CHOME
KOTO-KU, TOKYO 135-0016, JAPAN
TEL : +81-3-5632-9617
FAX : +81-3-5632-9618
URL : <http://www.cosmobio.co.jp/>
e-mail : export@cosmobio.co.jp

Manufacturer

 Trans Genic Inc.

7-1-6 Minatojimaminami-machi,
Chuo-ku, Kobe, 650-0047 JAPAN
TEL : +81-78-306-0590
FAX : +81-78-306-0589
URL : <http://www.transgenic.co.jp/>
e-mail : techstaff@transgenic.co.jp