

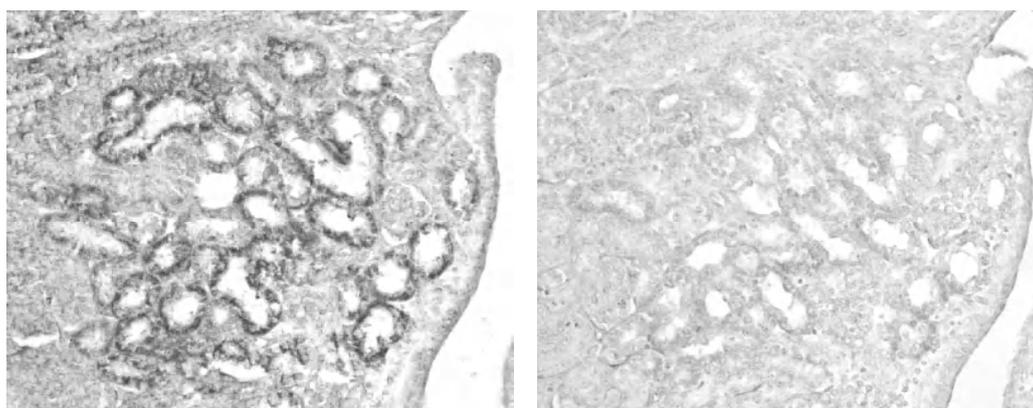
## Anti POEM/nephronectin Polyclonal Antibody

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 $\mu$ g (200 $\mu$ L/vial)
Format	Rabbit polyclonal antibody 0.25mg/mL
Buffer	PBS [containing 2% Block Ace as a stabilizer, 0.1% Proclin as a bacteriostat]
Storage	Below $-20^{\circ}\text{C}$ Once thawed, store at $4^{\circ}\text{C}$ . Repeated freeze-thaw cycles should be avoided.
Purification method	This antibody was purified from rabbit serum by affinity chromatography.
Working dilution	For Immunohistochemistry ; 0.2~0.5 $\mu$ 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****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

**Supplier****SCETI**  
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