



MEPE Polyclonal Antibody

Catalog No	YP-Ab-07221
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	MEPE
Immunogen	Synthesized peptide derived from human protein . at AA range: 20-100
Specificity	MEPE Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	MEPE;OF45;Osteoblast/osteocyte factor 45;Matrix extracellular phosphoglycoprotein (Osteoblast/osteocyte factor 45) (OF45)
Observed Band	43 kDa, 98 kDa
Calculated Molecular Weight	525 aa, 58 kDa
Cell Pathway	Secreted, extracellular space, extracellular matrix .
Tissue Specificity	Expressed by osteoblasts (PubMed:10945470, PubMed:11414762, PubMed:15108058). Expressed by stem cells in dental pulp (PubMed:15153459) . Expressed by mesenchymal cells in dental papilla and dental pulp (PubMed:18547474, PubMed:22341070). Expressed in teeth, specifically in deciduous dentin (PubMed:20581062). Expressed in odontoblasts (PubMed:12489176). Expressed in salivary glands (PubMed:15329369). Secreted from oncogenic hypophosphatemic tumors (PubMed:11414762).
Function	function:Seems to play a role in mineralization.,tissue specificity:Expressed by osteoblasts. Secreted from oncogenic hypophosphatemic tumours.,
Background	This gene encodes a secreted calcium-binding phosphoprotein that belongs to the small integrin-binding ligand, N-linked glycoprotein (SIBLING) family of proteins. Members of this family are components of the extracellular matrix of

bone and dentin and regulate bone mineralization. Deficiency of a similar protein in mouse results in increased bone mass. Mice lacking this gene are resistant to aging-related trabecular bone loss. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014],

matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images