SunLong Biotech Co.,LTD
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[Primary Antibody]

Rabbit Anti-MEPE antibody

Catalog Number: SL8689R

FOR RESEARCH USE ONLY

[DATASHEET]

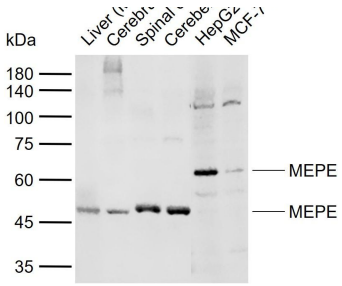
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	MEPE
Immunogen:	KLH conjugated synthetic peptide derived from human MEPE: 201-300/525
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	WB=1:500-2000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	Human,Mouse
Predicted MW.:	56kDa
Subcellular Location:	Secretory protein
Background:	MEPE is a 525 amino acid extracellular matrix protein. Expressed in osteocytes and brain, MEPE is a regulator of bone metabolism that is thought to mediate mineralization and demineralization within the osteocyte microenvironment. MEPE contains an RGD cell-attachment motif and shares molecular similarities with several dentin-bone extracellular matrix RGD-containing phosphoglycoproteins, including OPN (osteopontin) and DSP (dentin sialophosphoprotein). Via its ability to control bone mineralization, MEPE is associated with various developmental events such as skeletogenesis, bone regeneration and odontogenesis. MEPE is secreted in hypophosphatemic osteomalacia tumors, suggesting a possible role in the pathophysiology of bone-related cancers. **Function:** Seems to play a role in mineralization. **Subcellular Location:** Secreted **Tissue Specificity:** Expressed by osteoblasts. Secreted from oncogenic hypophosphataemic tumors.

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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	Post-translational modifications: Phosphorylated (in vitro) by FAM20C in the extracellular medium at sites within the S-x-E/pS motif. **Database links:** **Entrez Gene:** 56955 Human **Entrez Gene:** 94111 Mouse **Entrez Gene:** 79110 Rat Omim: 605912 Human **SwissProt:** Q9NQ76 Human **Unigene:** 676357 Human **Unigene:** 196672 Mouse **Unigene:** 160717 Rat

[VALIDATION IMAGES]



Sample:
Lane 1: Mouse Liver tissue lysates
Lane 2: Mouse Cerebrum tissue lysates
Lane 3: Mouse Spleen tissue lysates
Lane 4: Mouse Cerebellum tissue lysates
Lane 5: Human HepG2 cell lysates
Lane 6: Human MCF-7 cell lysates
Primary: Anti-MEPE (SL8689R) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 56 kDa
Observed band size: 47,62 kDa

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