



## Rabbit Anti-MEPE antibody

SL8689R

<b>Product Name:</b>	MEPE
<b>Chinese Name:</b>	Extracellular matrix磷酸化抗体
<b>Alias:</b>	Matrix extracellular phosphoglycoprotein; MEPE; MEPE_HUMAN; OF45; Osteoblast/osteocyte factor 45.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	56kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MEPE:201-300/525
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	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.

**Post-translational modifications:**

Phosphorylated (in vitro) by FAM20C in the extracellular medium at sites within the S-x-E/pS motif.

**SWISS:**

Q9NQ76

**Gene ID:**

56955

**Database links:**

[Entrez Gene: 56955](#)Human

[Entrez Gene: 94111](#)Mouse

[Entrez Gene: 79110](#)Rat

[Omim: 605912](#)Human

[SwissProt: Q9NQ76](#)Human

[Unigene: 676357](#)Human

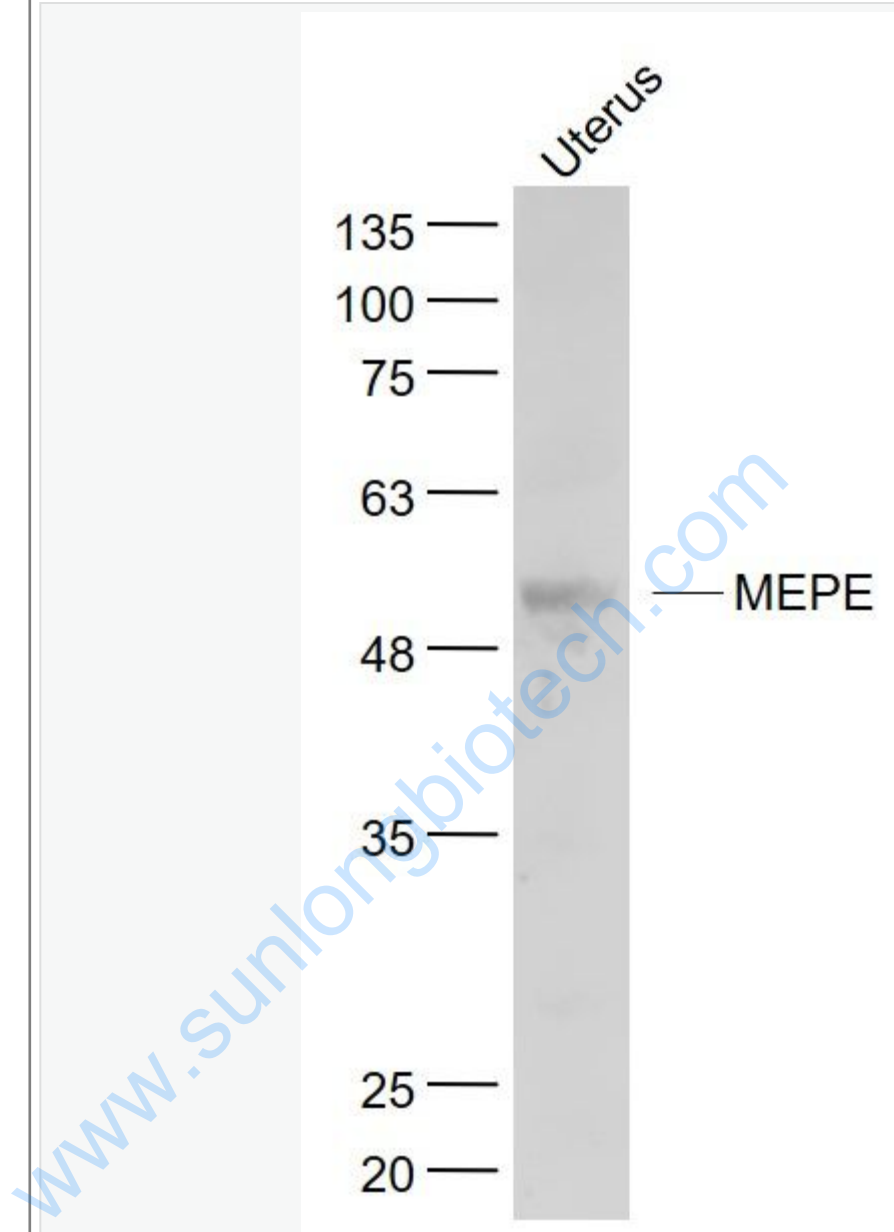
[Unigene: 196672](#)Mouse

[Unigene: 160717](#)Rat

**Important Note:**

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

Picture:



Sample:

Uterus (Mouse) Lysate at 40 ug

Primary: Anti- MEPE (SL8689R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 56 kD

	Observed band size: 56 kD
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