

PACO18856

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## Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, IHC

**Recommended dilutions:**

ELISA:1:2000-1:10000, IHC:1:50-1:200

**Protein Background:**

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses evoked by changes in the environment. Mediates signal transduction of TRAF6, various cytokines including interleukin-1 (IL-1), transforming growth factor-beta (TGFB), TGFB-related factors like BMP2 and BMP4, toll-like receptors (TLR), tumor necrosis factor receptor CD40 and B-cell receptor (BCR). Ceramides are also able to activate MAP3K7/TAK1. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade and the p38 MAPK signal transduction cascade through the phosphorylation and activation of several MAP kinase kinases like MAP2K1/MEK1, MAP2K3/MKK3, MAP2K6/MKK6 and MAP2K7/MKK7. These MAP2Ks in turn activate p38 MAPKs, c-jun N-terminal kinases (JNKs) and I-kappa-B kinase complex (IKK). Both p38 MAPK and JNK pathways control the transcription factors activator protein-1 (AP-1), while nuclear factor- $\kappa$ B is activated by IKK.

**Gene ID:**

PTPRM

**Uniprot**

P28827

**Synonyms:**

Protein tyrosine phosphatase, receptor type, M

**Immunogen:**

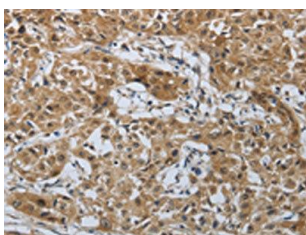
Synthetic peptide of human PTPRM.

**Storage:**

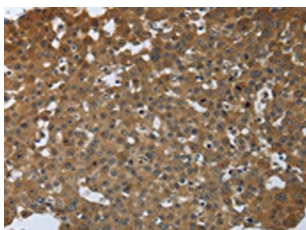
-20 $\text{\textcircled{C}}$ ; C, pH7.4 PBS, 0.05% NaN3, 40% Glycerol

## Product Images

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The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using PACO18856(PTPRM Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).



The image on the left is immunohistochemistry of paraffin-embedded Human breast cancer tissue using PACO18856(PTPRM Antibody) at dilution 1/40, on the right is treated with synthetic peptide. (Original magnification: x—200).