

### Product Information

**Size:**

50ul

**Reactivity:**

Human, Mouse, Rat

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:1000-1:5000, WB:1:1000-1:5000,  
IHC:1:50-1:200

**Protein Background:**

Dioxygenase that can both act as a histone arginine demethylase and a lysyl-hydroxylase. Acts as a lysyl-hydroxylase that catalyzes 5-hydroxylation on specific lysine residues of target proteins such as U2AF2/U2AF65 and LUC7L2. Acts as a regulator of RNA splicing by mediating 5-hydroxylation of U2AF2/U2AF65, affecting the pre-mRNA splicing activity of U2AF2/U2AF65. In addition to peptidyl-lysine 5-dioxygenase activity, may act as an RNA hydroxylase, as suggested by its ability to bind single strand RNA. Also acts as an arginine demethylase which demethylates histone H3 at 'Arg-2' (H3R2me) and histone H4 at 'Arg-3' (H4R3me), thereby playing a role in histone code. However, histone arginine demethylation may not constitute the primary activity in vivo. Has no histone lysine demethylase activity. Required for differentiation of multiple organs during embryogenesis. Acts as a key regulator of hematopoietic differentiation: required for angiogenic sprouting by regulating the pre-mRNA splicing activity of U2AF2/U2AF65.

**Gene ID:**

MAF

**Uniprot**

O75444

**Synonyms:**

v-maf avian musculoaponeurotic fibrosarcoma oncogene homolog

**Immunogen:**

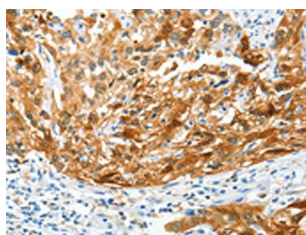
Synthetic peptide of human MAF.

**Storage:**

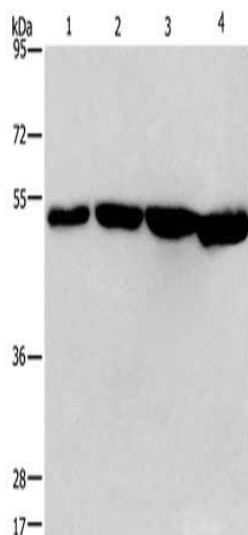
-20&deg; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

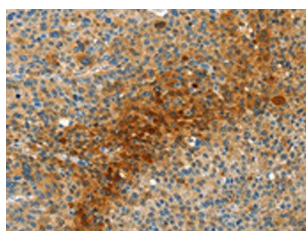
---



The image on the left is immunohistochemistry of paraffin-embedded Human esophagus cancer tissue using PACO19489(MAF Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x—200).



Gel: 8%SDS-PAGE, Lysate: 40 &mu; g, Lane 1-4: A431 cells, A375 cells, hela cells, Jurkat cells, Primary antibody: PACO19489(MAF Antibody) at dilution 1/1100, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 seconds.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using PACO19489(MAF Antibody) at dilution 1/50, on the right is treated with synthetic peptide. (Original magnification: x—200).