

PACO18458

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## Product Information

**Size:**

50ul

**Reactivity:**

Human

**Source:**

Rabbit

**Isotype:**

IgG

**Applications:**

ELISA, WB, IHC

**Recommended dilutions:**

ELISA:1:1000-1:5000, WB:1:200-1:1000,  
IHC:1:15-1:50

**Protein Background:**

AMP-activated protein kinase (AMPK) is highly conserved from yeast to plants and animals and plays a key role in the regulation of energy homeostasis. AMPK is a heterotrimeric complex composed of a catalytic alpha subunit and regulatory beta and gamma subunits, each of which is encoded by two or three distinct genes ( alpha 1, 2; beta 1, 2; gamma 1, 2, 3). The kinase is activated by an elevated AMP/ATP ratio due to cellular and environmental stress, such as heat shock, hypoxia, and ischemia. The tumor suppressor LKB1, in association with accessory proteins STRAD and MO25, phosphorylates AMPK alpha at Thr172 in the activation loop, and this phosphorylation is required for AMPK activation. AMPK alpha is also phosphorylated at Thr258 and Ser485 (for alpha 1; Ser491 for alpha 2). The upstream kinase and the biological significance of these phosphorylation events have yet to be elucidated.

**Gene ID:**

TRAF7

**Uniprot**

Q6Q0C0

**Synonyms:**

TNF receptor-associated factor 7, E3 ubiquitin protein ligase

**Immunogen:**

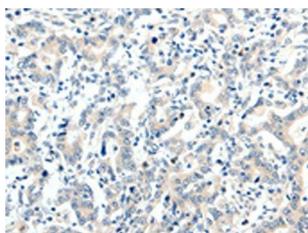
Synthetic peptide of human TRAF7.

**Storage:**

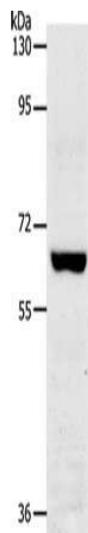
-20&deg; C, pH7.4 PBS, 0.05% NaN<sub>3</sub>, 40% Glycerol

## Product Images

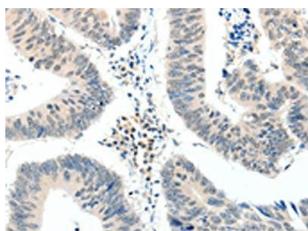
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The image on the left is immunohistochemistry of paraffin-embedded Human gastric cancer tissue using PACO18458(TRAF7 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x—200).



Gel: 8%SDS-PAGE, Lysate: 40 &mu; g, Lane: Jurkat cells, Primary antibody: PACO18458(TRAF7 Antibody) at dilution 1/300, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 2 minutes.



The image on the left is immunohistochemistry of paraffin-embedded Human colon cancer tissue using PACO18458(TRAF7 Antibody) at dilution 1/20, on the right is treated with synthetic peptide. (Original magnification: x—200).