A13905SP

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PKM1/2 Rabbit pAb

Catalog No.: A13905SP 1 Publications

Basic Information

Observed MW
60 kDa

Calculated MW
56 kDa/58 kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,IF/ICC,ELISA,IF-P

Cross-Reactivity
Human,Mouse,Rat

Background

This gene encodes a protein involved in glycolysis. The encoded protein is a pyruvate kinase that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate to ADP, generating ATP and pyruvate. This protein has been shown to interact with thyroid hormone and may mediate cellular metabolic effects induced by thyroid hormones. This protein has been found to bind Opa protein, a bacterial outer membrane protein involved in gonococcal adherence to and invasion of human cells, suggesting a role of this protein in bacterial pathogenesis. Several alternatively spliced transcript variants encoding a few distinct isoforms have been reported.

Recommended Dilutions

WB	1:2000 - 1:5000
IF/ICC	1:200-1:400
IF-P	1:200-1:400
IHC-P	1:500 - 1:2000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000)

Contact

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Immunogen Information

Gene ID
5315

Swiss Prot
P14618

Immunogen
This information is considered to be commercially sensitive.

Synonyms
PK3; TCB; p58; OIP3; PKM2; CTHBP; THBP1; HEL-S-30; PKM1/2

Product Information

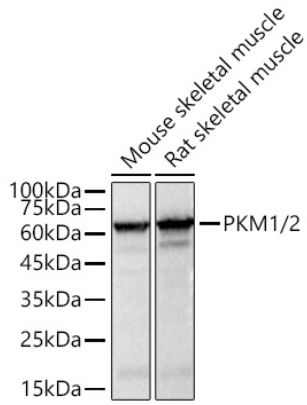
Source
Rabbit

Isotype
IgG

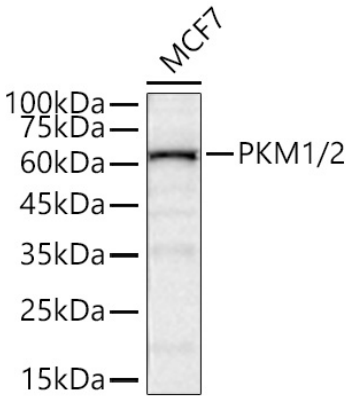
Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Validation Data



Western blot analysis of various lysates using PKM1/2 Rabbit pAb (A13905SP) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 0.2 s.



Western blot analysis of lysates from MCF7 cells using PKM1/2 Rabbit pAb (A13905SP) at 1:2000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 1 s.