

PKM2 rabbit pAb

Cat No.: ES14085

For research use only

Overview

Product Name PKM2 rabbit pAb

Host species Rabbit
Applications IHC;IF;WB

Species Cross-Reactivity Human; Mouse; Rat

Recommended dilutions IHC-p 1:50-200, WB 1:500-2000

Immunogen Synthesized peptide derived from human PKM2 AA

range: 301-350

Specificity This antibody detects endogenous levels of human

PKM2

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and

0.02% sodium azide.

Storage Store at -20°C. Avoid repeated freeze-thaw cycles.

Protein Name PKM2

Gene Name PKM OIP3 PK2 PK3 PKM2

Cellular localization [Isoform M2]: Cytoplasm . Nucleus . Translocates to

the nucleus in response to various signals, such as

EGF receptor activation or apoptotic stimuli (PubMed:17308100, PubMed:22056988, PubMed:24120661). Nuclear translocation is

promoted by acetylation by E

Purification The antibody was affinity-purified from rabbit

antiserum by affinity-chromatography using

epitope-specific immunogen.

Clonality Polyclonal
Concentration 1 mg/ml
Observed band 58kD
Human Gene ID 5315
Human Swiss-Prot Number P14618

Alternative Names Pyruvate kinase isozymes M1/M2 (EC

2.7.1.40;Cytosolic thyroid hormone-binding protein;CTHBP;Opa-interacting protein

3;OIP-3;Pyruvate kinase 2/3;Pyruvate kinase muscle

isozyme;Thyroid hormone-binding protein

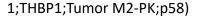


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Background



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. [provided by RefSeq, May 2011],

Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Tris-EDTA,pH9.0 was used for antigen retrieval. 2 Antibody was diluted at 1:200(4° overnight.3,Secondary antibody was diluted at 1:200(room temperature, 45min).



