

PKM2 (phospho-Ser97) Antibody

Catalog No: #SAB606

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Description

Product Name	PKM2 (phospho-Ser97) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was purified from rabbit serum by affinity purification via sequential chromatography on phospho-peptide and non-phospho-peptide affinity columns.
Applications	WB
Species Reactivity	Human, Mouse
Specificity	PKM2(phospho-Ser97) Antibody detects endogenous levels of PKM2 only when phosphorylated at Ser97.
Immunogen Description	A synthesized peptide derived from human PKM2 around the phosphorylation site of S97.
Other Names	OIP3, PK2, PK3, PKM2
Uniprot	P14618
GeneID	5315
SDS-PAGE MW	58kDa
Concentration	1 mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C/1 year

Application Details

Western Blot: 1/500 - 1/2000

Background

Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP (PubMed:15996096, PubMed:1854723). The ratio between the highly active tetrameric form and nearly inactive dimeric form determines whether glucose carbons are channeled to biosynthetic processes or used for glycolytic ATP production (PubMed:15996096, PubMed:1854723).

Note: This product is for in vitro research use only