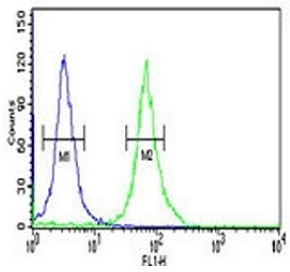
PKM2 Antibody (F51508)

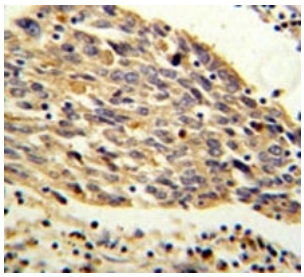
Catalog No.	Formulation	Size
F51508-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F51508-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

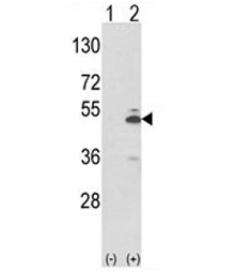
Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat, Rabbit
Format	Purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Purified
UniProt	P14618
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This PKM2 antibody is available for research use only.



PKM2 antibody flow cytometric analysis of 293 cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.



PKM2 antibody IHC analysis in formalin fixed and paraffin embedded human lung carcinoma.



Western blot analysis of PKM2 antibody and 293 cell lysate (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PKM2 gene (2). Predicted molecular weight ~58 KDa.

Description

PKM2 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.

Application Notes

Titration of the PKM2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 116-145 from the human protein was used as the immunogen for this PKM2 antibody.

Storage

Aliquot the PKM2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.