

PKM2 Ab

Images(5)

Cat.#: AF4048 Concn.: ~1mg/ml Mol.Wt.: 60kd
Size: Source: Rabbit Clonality: Polyclonal

Application: WB 1:500-1:1000
*The optimal dilutions should be determined by the end user.

Reactivity: Human,Mouse,Rat

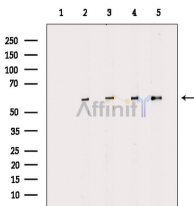
Storage: Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

Purification: The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Immunogen: A synthesized peptide derived from human PKM2, corresponding to a region within N-terminal amino acids.

Uniprot: P14618

Description: Glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate (PEP) to ADP, generating ATP. Stimulates POU5F1-mediated transcriptional activation. Plays a general role in caspase independent cell death of tumor cells. 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. The transition between the 2 forms contributes to the control of glycolysis and is important for tumor cell proliferation and survival.



Western blot analysis of extracts from various samples, using PKM2 Ab.
Lane 1: HepG2 cells(h2o2 treatment), blocked with antigen-specific peptides,
Lane 2: HepG2 cells(h2o2 treatment),
Lane 3: HepG2 cells(uv treatment),
Lane 4: A549 cells(h2o2 treatment),
Lane 5: Pc12.

IMPORTANT: For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

For Research Use Only. Not for use in diagnostic and therapeutic procedures. Not for resale without express authorization.