## For Research Use Only

## PKM2-specific Polyclonal antibody Catalog Number:15822-1-AP Featured Product 249 Publications

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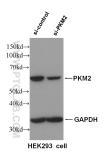
Basic Information	Catalog Number: 15822-1-AP	GenBank Accession N NM_002654		Purification Method: Antigen affinity purification	
	Size: 150ul, Concentration: 800 ug/ml by Nanodrop; Source: Rabbit Isotype: IgG	GeneID (NCBI): 5315 UNIPROT ID: P14618 Full Name: PKM pyruvate kinase, Calculated MW: 58 kDa Observed MW: 58 kDa	Recommended Di WB: 1:2000-1:1200 IP: 0.5-4.0 ug for 1 protein lysate IHC: 1:100-1:400 IF/ICC: 1:50-1:500	lutions: DO .0-3.0 mg of total	
Applications	Tested Applications:		ositive Controls:		
	WB, IHC, IF/ICC, IP, ELISA Cited Applications: WB, IHC, IF, IP, CoIP, ChIP		WB : A549 cells, 293 cell, C6 cells, HEK-293 cells, HeLa cells, N/A, Recombinant protein, HEK-293T cells, MCF 7 cells, mouse stomach tissue		
	Species Specificity:		IP : A549 cells, MCF-7 cells		
	human, mouse, rat		IHC : human lung cancer tissue, human colon cancer		
	Cited Species: human, mouse, rat, chicken, bovine		tissue		
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	PKM, also named as OIP3, PK2, PK3, F family. It is glycolytic enzyme that c ADP, generating ATP. It stimulates P independent cell death of tumor cell not the M1 isoform) can be inhibited isoform before tumour development M2 (PMID:18337823). The immunoge This antibody can detect PKM2 mono	atalyzes the transfer of DU5F1-mediated transo s. PKM has 2 isoforms na by tyrosine kinase sign is PK-M1; however, the m of this antibody is M2	a phosphoryl group from phosphoe criptional activation. PKM plays a g amed as PKM1/M2. The activity of f alling in tumourcells. The primary primary isoform from four indepen t isoform and this antibody is speci	nolpyruvate (PEP) to reneral role in caspas the M2 isoform (but pyruvate kinase ident tumours is PK-	
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T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free E: proteintech@ptglab.com in USA), or 1(312) 455-8498 (outside USA)

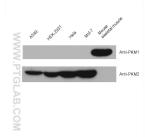
W: ptglab.com

Group brand and is not available to purchase from any other manufacturer.

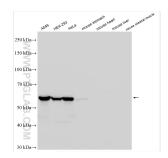
## Selected Validation Data



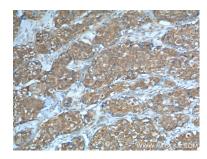
WB result of PKM2 specific antibody (15822-1-AP, 1:5000) with si-control and si-PKM2 transfected HEK293 cells.



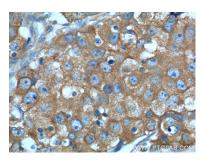
Various lysates were subjected to SDS PAGE followed by western blot with 15822-1-AP (PKM2specific antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 15822-1-AP (PKM2specific antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours. Negative control: mouse heart tissue, mouse liver tissue, mouse skeletal muscle tissue.



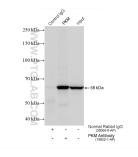
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 15822-1-AP (PKM2-specific antibody at dilution of 1:200 (under 10x lens).



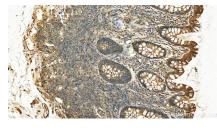
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 15822-1-AP (PKM2-specific antibody at dilution of 1:200 (under 40x lens).

	contrô	NO PAR	Ingu		
250 kDa→ 150 kDa→					
100 kDa					
70 kDa→		_	_	← 58 kDa	
50 kDa→ 40 kDa→					
	+	+	-	Normal Rabbit IgG (30000-0-AP) PKM Antibody (15822-1-AP)	

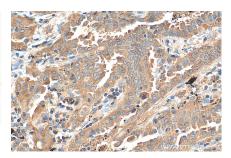
IP result of anti-PKM2-specific (IP:15822-1-AP, 4ug; Detection:15822-1-AP 1:4000) with A549 cells lysate 920 ug.



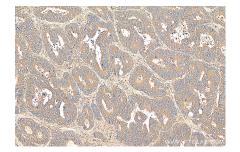
IP result of anti-PKM2-specific (IP:15822-1-AP, 4ug; Detection:15822-1-AP 1:2000) with MCF-7 cells lysate 1880 ug.

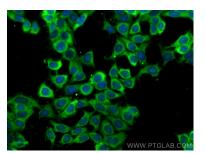


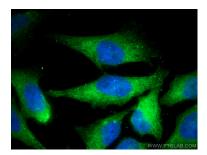
Immunohistochemical analysis of paraffinembedded human normal colon slide using 15822-1-AP (PKM2-specific antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 15822-1-AP (PKM2-specific antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).







Immunohistochemical analysis of paraffinembedded human colon cancer tissue slide using 15822-1-AP (PKM2-specific antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). Immunofluorescent analysis of (-20°C Ethanol) fixed MCF-7 cells using PKM2-specific antibody (15822-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Immunofluorescent analysis of (4% PFA) fixed HeLa cells using PKM2-specific antibody (15822-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).