

anti- PKM1-specific antibody

Product Information

Catalog No.:	FNab06494
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

PKM, also named as OIP3, PK2, PK3, PKM, p58, THBP1, CTHBP and Tumor M2-PK, belongs to the pyruvate kinase family. It is glycolytic enzyme that catalyzes the transfer of a phosphoryl group from phosphoenolpyruvate(PEP) to ADP, generating ATP. It stimulates POU5F1-mediated transcriptional activation. PKM plays a general role in caspase independent cell death of tumor cells. PKM has 2 isoforms named PKM1 and PKM2. By the upstream metabolite fructose-1,6-bisphosphate, PKM1 is a constitutively active enzyme. The primary pyruvate kinase isoform before tumour development is PK-M1; however, the primary isoform from four independent tumours is PK-M2(PMID:18337823). This antibody is specific to PKM1 isoform.

Immunogen information

Immunogen:	PKM2 pyruvate kinase, muscle
Synonyms:	CTHBP, OIP 3, OIP3, Opa interacting protein 3, p58, PK2, PK3, PKM, PKM1, PK-M1, PKM1 pyruvate kinase, muscle, Pyruvate kinase 2/3, Pyruvate kinase isozymes M1/M2, Pyruvate kinase muscle isozyme, TCB, THBP1, Tumor M2 PK
Observed MW:	58KD
UniprotID :	P14618

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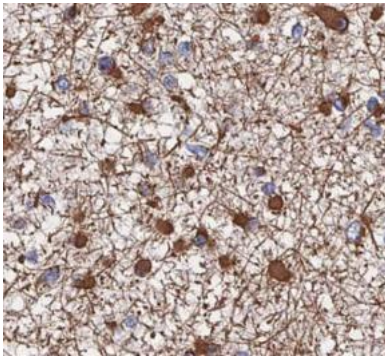
Application

Reactivity: Human, Mouse, Rat

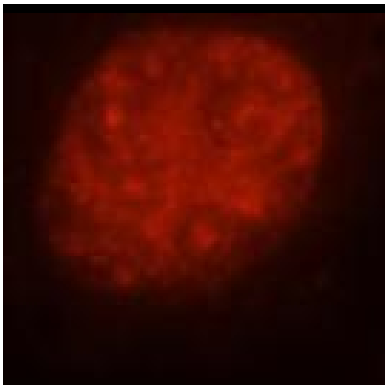
Tested Application: ELISA, WB, IHC, IP, IF

Recommended dilution: WB: 1:500-1:2000; IP: 1:500-1:2000; IHC: 1:100-1:400; IF: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human gliomas tissue slide using FNab06494(PKM1 Antibody) at dilution of 1:200



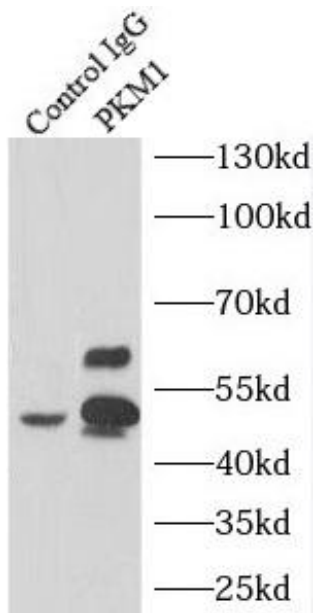
Immunofluorescent analysis of HeLa cells using FNab06494 (PKM1 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG

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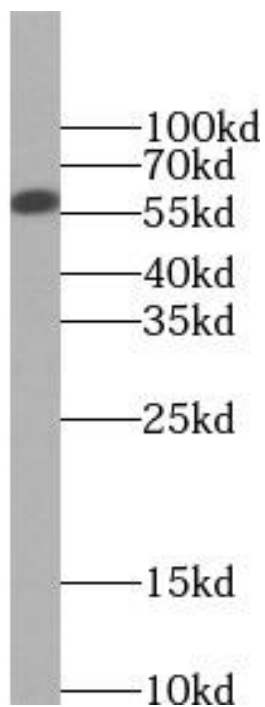
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IP Result of anti-PKM1-specific (IP:FNab06494, 3ug; Detection:FNab06494 1:1000) with mouse brain tissue lysate 4000ug.



mouse skeletal muscle tissue were subjected to SDS PAGE followed by western blot with FNab06494(PKM1 antibody) at dilution of 1:1000