[Primary Antibody]

Hexokinase II Rabbit pAb



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– DATASHEE	т — т		400-90	01-9800	
Host:	Rabbit	Isotype: IgG	Applications	WB (1:500-2000)	
Clonality:	Polyclonal			IHC-P (1:100-500	
GenelD:	3099	SWISS: P52789		IF (1:50-200)	
Target:	Hexokinase II		Reactivity	Human Mouso	
Immunogen:	nmunogen: KLH conjugated synthetic peptide derived from human Hexokinase II/HxK2: 101-200/917.			(predicted: Rat, I Sheep, Cow, Dog	
Purification:	affinity purified	by Protein A			
Concentration:	concentration: 1mg/ml			Predicted MW.: ^{102 kDa}	
Storage:	0.01M TBS (pH7 Glycerol. Shipped at 4°C. freeze/thaw cyc	.4) with 1% BSA, 0.02% Proclin300 and 50% Store at -20°C for one year. Avoid repeated cles.	Subcellular Location	Cell membrane ,	
Background:	The hexokinase the first step of glucose to gluco been identified, II), hexokinase I designated gluco N-terminal cluss the N-terminal I thought to be n substantiated b glucose than do expressed in bra cell lines. HXK II by adipose and highest affinity beta cells where "set point" fo	s utilize Mg-ATP as a phosphoryl donor to catalyze intracellular glucose metabolism, the conversion of ose-6-phosphate. Four hexokinase isoenzymes hav including hexokinase I (HXK I), hexokinase II (HXK II (HXK III) and hexokinase IV (HXK IV, also cokinase or GCK). Hexokinases I-III each contain ar ter of hydrophobic amino acids. Glucokinase lacks hydrophobic cluster. The hydrophobic cluster is ecessary for membrane binding. This is by the finding that glucokinase has lower affinity fo the other hexokinases. HXK I has been shown to b ain, kidney and heart tissues as well as in hepatom is involved in the uptake and utilization of glucose skeletal tissues. Of the hexokinases, HXK III has th for glucose. Glucokinase is expressed in pancreating e it functions as a glucose sensor, determining the r insulin secretion.	r Pe a e e e		

(1:100-500) (1:100-500))-200)

, Mouse ted: Rat, Rabbit, Pig, Cow, Dog)

embrane ,Cytoplasm

- VALIDATION IMAGES



Sample: Heart (Mouse) Lysate at 40 ug Muscle (Mouse) Lysate at 40 ug Primary: Anti-Hexokinase II (bs-9455R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 102 kD Observed band size: 102 kD



Paraformaldehyde-fixed, paraffin embedded (Human brain glioma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Hexokinase 2) Polyclonal Antibody, Unconjugated (bs-9455R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Hexokinase 2) Polyclonal Antibody, Unconjugated (bs-9455R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.

- SELECTED CITATIONS -

• [IF=9.314] Zhou et al. Melatonin protects cardiac microvasculature against ischemia/reperfusion injury via suppression

of mitochondrial fission-VDAC1-HK2-mPTP-mitophagy axis. (2017) J.Pineal.Re. 63 WB, ICC ; MOUSE. 28398674

- [IF=5.8] Xu Jianguo. et al. PDGF-BB accelerates TSCC via fibroblast lactates limiting miR-26a-5p and boosting mitophagy. CANCER CELL INT. 2024 Dec;24(1):1-18 IHC ;Human. 38169376
- [IF=2.886] Yan Liu. et al. CircTTBK2 Contributes to the Progression of Glioma Through Regulating miR-145-5p/CPEB4 Axis. Cancer Manag Res. 2020; 12: 8183–8195 WB ;Human. 32982415
- [IF=2.4] Zhao Xuan. et al. CircSFMBT2 Plays an Oncogenic Role in Lung Adenocarcinoma Depending on the miR-1305/SALL4 Axis. BIOCHEM GENET. 2023 Dec;:1-19 WB ;Human. 38127171