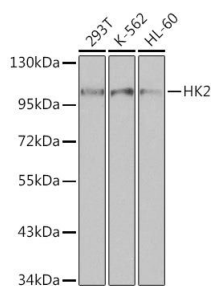


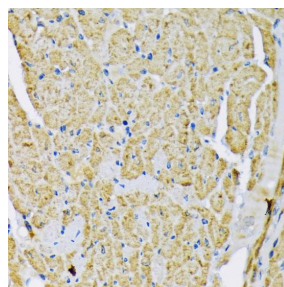
| | |
|--------------------------|--|
| Cat. No: | AB-84305 |
| Size: | 100ug |
| Clone: | POLY |
| Concentration: | 1mg/ml |
| Host: | Rb |
| Isotype: | IgG |
| Immunogen: | Recombinant fusion protein containing a sequence corresponding to amino acids 1-120 of human HK2 |
| Reactivity: | Hu, Ms, Rt |
| Applications: | Western Blot: 1:500 - 1:2000 Immunohistochemistry: 1:50 - 1:200 Immunofluorescence: 1:50 - 1:200 |
| Molecular Weight: | 102kDa |
| Purification: | Aff. Pur. |
| Synonyms: | HK2;HKII;HXK2;hexokinase-2 |
| Background: | Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 2, the predominant form found in skeletal muscle. It localizes to the outer membrane of mitochondria. Expression of this gene is insulin-responsive, and studies in rat suggest that it is involved in the increased rate of glycolysis seen in rapidly growing cancer cells. |
| Form: | Liquid |
| Buffer: | Liquid in PBS containing 0.02% sodium azide, 50% glycerol, Ph7.3. |
| Storage: | Store at -20°C, and avoid repeat freeze-thaw cycles. |



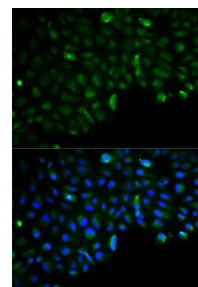
Western blot analysis of extracts of various cell lines, using HK2 antibody at 1:1000 dilution.

Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution.

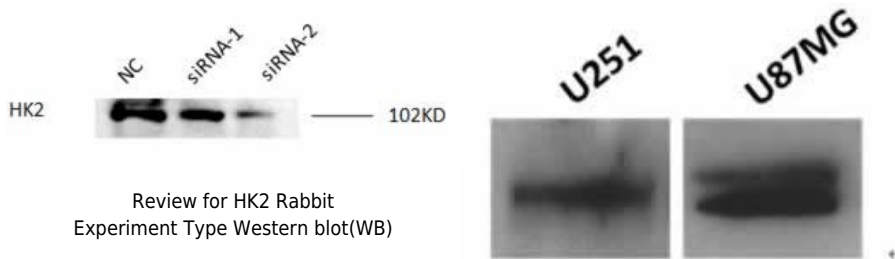
Lysates/proteins: 25ug per lane.
Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffinembedded mouse heart using HK2 antibody at dilution of 1:200 (40x lens).



Immunofluorescence analysis of U2OS cells using HK2 antibody. Blue: DAPI for nuclear staining.



Review for HK2 Rabbit
Experiment Type Western blot(WB)

Experiment Type Western blot(WB)
Sample U251,U87MG
Description Western blot analysis of
extracts of various cell lines, using HK2
Polyclonal Antibody.

References

References for HK2 Rabbit pAb

Product: HK2 Rabbit pAb Journal:

Toxicology And Applied Pharmacology Application:

WB IF:3.789 Species:Rattus norvegicus

PMID:25151971

Title:N-methylhemeanthidine chloride, a novel Amaryllidaceae alkaloid, inhibits pancreatic cancer cell proliferation via down-regulating AKT activation

Product:HK2 Rabbit pAb

Journal:Nature Communications

Application:WB IF:11.87

Species:Homo sapiens,Mus musculus PMID:32286295

Title: Glycogen metabolism regulates macrophage-mediated acute inflammatory responses

References for HK2 Rabbit pAb

Product:HK2 Rabbit pAb

Journal:Nature communications

Application: WB, IHC IF:11.87 Species: Homo sapiens,Mus musculus PMID:31484922

Title: CD36 inhibits β -catenin/c-myc-mediated glycolysis through ubiquitination of GPC4 to repress colorectal tumorigenesis

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