



HXK III Polyclonal Antibody

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|---------------------------|---|
| Catalog No | YP-Ab-14779 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB;IHC;IF;ELISA |
| Gene Name | HK3 |
| Protein Name | Hexokinase-3 |
| Immunogen | The antiserum was produced against synthesized peptide derived from human Hexokinase-3. AA range:811-860 |
| Specificity | HXK III Polyclonal Antibody detects endogenous levels of HXK III protein. |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/5000.. IF 1:50-200 |
| Concentration | 1 mg/ml |
| Purity | ≥90% |
| Storage Stability | -20°C/1 year |
| Synonyms | HK3; Hexokinase-3; Hexokinase type III; HK III |
| Observed Band | 99kD |
| Cell Pathway | cell,mitochondrion,cytosol, |
| Tissue Specificity | Blood,Liver,Spleen, |
| Function | catalytic activity:ATP + D-hexose = ADP + D-hexose 6-phosphate.,domain:The N- and C-terminal halves of this hexokinase show extensive sequence similarity to each other. The catalytic activity is associated with the C-terminus while regulatory function is associated with the N-terminus.,enzyme regulation:Hexokinase is an allosteric enzyme inhibited by its product Glc-6-P.,miscellaneous:In vertebrates there are four major glucose-phosphorylating isoenzymes, designated hexokinase I, II, III and IV (glucokinase).,online information:Hexokinase entry,pathway:Carbohydrate metabolism; hexose metabolism.,similarity:Belongs to the hexokinase family.,subunit:Monomer., |
| Background | Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate. [provided by RefSeq, Apr 2009], |



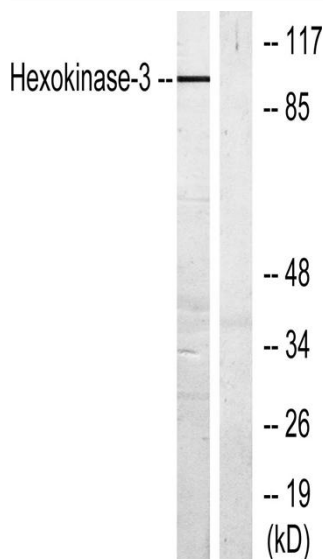
matters needing attention

Avoid repeated freezing and thawing!

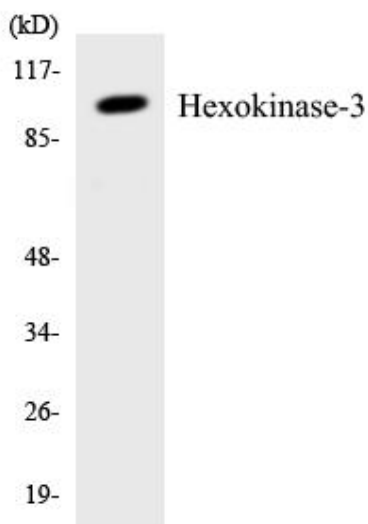
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

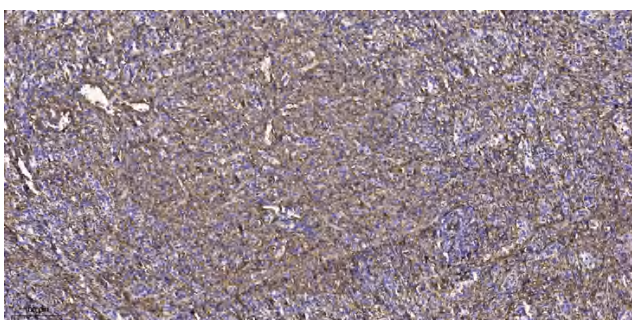
Products Images



Western blot analysis of lysates from Jurkat cells, treated with insulin 0.01U/ml 15', using Hexokinase-3 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from COLO205 cells using Hexokinase-3 antibody.



Immunohistochemical analysis of paraffin-embedded human spleen tissue. 1, primary Antibody was diluted at 1:200(4° overnight). 2, Sodium citrate pH 6.0 was used for antigen retrieval(>98°C,20min). 3, Secondary antibody was diluted at 1:200