

Anti-HK2 Polyclonal Antibody

Cat: AC50779

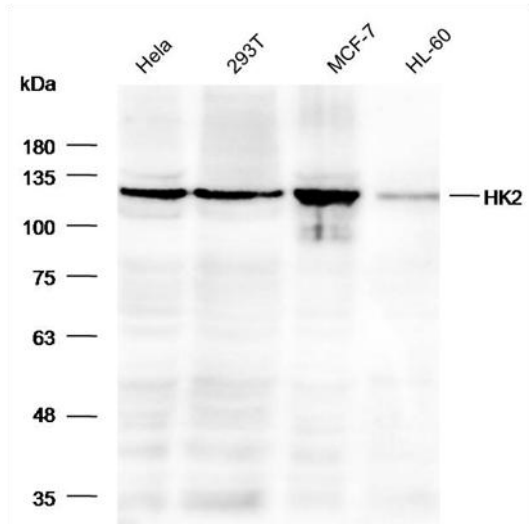
Summary:

- 【Product name】** : Anti-HK2 antibody **【Source】** : Rabbit
【Isotype】 : IgG **【Species reactivity】** : Human, Mouse, Rat
【Swiss Prot】 : P52789 **【Gene ID】** : 3099
【Calculated】 : MW: 102kDa **【Observed】** : MW: 120kDa
【Purification】 : Affinity purification
【Tested applications】 : WB IHC IF
【Recommended dilution】 : WB 1:500-2000. IHC 1:50-200. IF 1:50-200.
【WB Positive sample】 : HeLa, 293T, MCF-7, HL-60
【IHC Positive sample】 : Human breast cancer
【Subcellular location】 : Mitochondrion outer membrane.
【Immunogen】 : Recombinant protein of human HK2.
【Storage】 : Shipped at 4°C. Upon delivery aliquot and store at -20°C

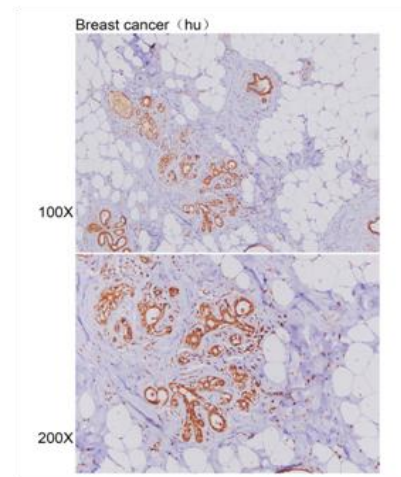
Background:

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.

Verified picture



Western blot analysis with HK2 antibody diluted at 1:1000



Immunohistochemistry of paraffin-embedded Human breast cancer with HK2 antibody diluted at 1:100