



# HKDC1 mouse mAb

Catalog No	BYmab-18105
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	HKDC1
Protein Name	Putative hexokinase HKDC1 (EC 2.7.1.1) (Hexokinase domain-containing protein 1)
Immunogen	Synthesized peptide derived from human HKDC1
Specificity	This antibody detects endogenous levels of HKDC1 at Human, Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	101kD
Cell Pathway	Mitochondrion membrane ; Peripheral membrane protein . The mitochondrial-binding peptide (MBP) region promotes association with the mitochondrion. .
Tissue Specificity	Widely expressed (PubMed:27459389, PubMed:29401404). Highly expressed in the brush border, surface epithelium and the myenteric plexus of the small and large intestines; the acinar centrocytes and interlobular ducts of the pancreas; and the alveolar macrophages in the lungs (at protein level) (PubMed:29401404). Present at moderate level in the thyroid follicular epithelium (at protein level) (PubMed:29401404).
Function	Catalyzes the phosphorylation of hexose to hexose 6-phosphate, although at very low level compared to other hexokinases . Has low glucose phosphorylating activity compared to other hexokinases . Involved in glucose homeostasis and hepatic lipid accumulation. Required to maintain whole-body glucose homeostasis during pregnancy; however additional evidences are required to confirm this role (By similarity).

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## Background

### 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

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