

**HKDC1 Rabbit mAb**  
**Catalog # AP76533****Specification**

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**HKDC1 Rabbit mAb - Product Information**

Application	<b>WB, IP</b>
Primary Accession	<a href="#">Q2TB90</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Monoclonal Antibody</b>
Calculated MW	<b>102545</b>

**HKDC1 Rabbit mAb - Additional Information****Gene ID** 80201**Other Names**  
HKDC1**Dilution**  
WB~~1/500-1/1000  
IP~~N/A**Format**  
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**  
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**HKDC1 Rabbit mAb - Protein Information****Name** HKDC1 ([HGNC:23302](#))**Function**  
Catalyzes the phosphorylation of hexose to hexose 6- phosphate, although at very low level compared to other hexokinases (PubMed:[30517626](http://www.uniprot.org/citations/30517626)). Has low glucose phosphorylating activity compared to other hexokinases (PubMed:[30517626](http://www.uniprot.org/citations/30517626)). 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).**Cellular Location**  
Cytoplasm. Mitochondrion membrane; Peripheral membrane protein. Photoreceptor inner segment {ECO:0000250|UniProtKB:Q91W97}. Note=The mitochondrial-binding peptide (MBP) region promotes association with the mitochondrion**Tissue Location**

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).

### HKDC1 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### HKDC1 Rabbit mAb - Images

