

HKDC1 Rabbit mAb

Catalog # AP76533

Product Information

Application WB, IP
Primary Accession Q2TB90
Reactivity Human
Host Rabbit

Clonality Monoclonal Antibody

Calculated MW 102545

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.

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). Has low

glucose phosphorylating activity compared to other hexokinases

(PubMed: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.

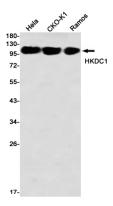
Photoreceptor inner segment {ECO:0000250 | UniProtKB:Q91W97}. Note=The mitochondrial-binding peptide (MBP) region promotes association with the

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

Images



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.