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(DANRE) sdhb Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5454

Product Information

Application	WB
Primary Accession	A5PL98
Other Accession	P21913, Q007T0, Q9CQA3, P21912, Q9YHT2, Q3T189
Reactivity	Mouse, Zebrafish, Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	31740
Isotype	Rabbit IgG
Antigen Source	HUMAN

Additional Information

Gene ID	562149
Antigen Region	147-182
Other Names	Succinate dehydrogenase [ubiquinone] iron-sulfur subunit, mitochondrial, Iron-sulfur subunit of complex II, Ip, sdhb
Dilution	WB~~1:1000
Target/Specificity	This (DANRE) sdhb antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 147-182 amino acids from the region of (DANRE) sdhb.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(DANRE) sdhb Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

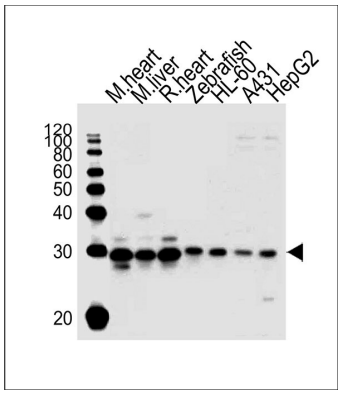
Name	sdhb
Function	Iron-sulfur protein (IP) subunit of the succinate dehydrogenase complex (mitochondrial respiratory chain complex II), responsible for transferring

	electrons from succinate to ubiquinone (coenzyme Q) (By similarity). SDH also oxidizes malate to the non- canonical enol form of oxaloacetate, enol-oxaloacetate. Enol- oxaloacetate, which is a potent inhibitor of the succinate dehydrogenase activity, is further isomerized into keto-oxaloacetate (By similarity).
Cellular Location	Mitochondrion inner membrane {ECO:0000250|UniProtKB:Q9YHT2}; Peripheral membrane protein {ECO:0000250|UniProtKB:Q9YHT2}; Matrix side {ECO:0000250|UniProtKB:Q9YHT2}

Background

Iron-sulfur protein (IP) subunit of succinate dehydrogenase (SDH) that is involved in complex II of the mitochondrial electron transport chain and is responsible for transferring electrons from succinate to ubiquinone (coenzyme Q) (By similarity).

Images



All lanes : Anti-sdhb Antibody at 1:1000 dilution Lane 1: mouse heart lysates Lane 2: mouse liver lysates Lane 3: rat heart lysates Lane 4: Zebrafish lysates Lane 5: HL-60 whole cell lysates Lane 6: A431 whole cell lysates Lane 7: HepG2 whole cell lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/10000 dilution Predicted band size : 32 kDa Blocking/Dilution buffer: 5% NFDM/TBST.