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HCA57 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP58701

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q96EY1
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52489

Additional Information

Gene ID	9093
Other Names	DnaJ homolog subfamily A member 3, mitochondrial, DnaJ protein Tid-1, hTid-1, Hepatocellular carcinoma-associated antigen 57, Tumorous imaginal discs protein Tid56 homolog, DNAJA3, HCA57, TID1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	DNAJA3
Synonyms	HCA57, TID1
Function	Modulates apoptotic signal transduction or effector structures within the mitochondrial matrix. Affect cytochrome C release from the mitochondria and caspase 3 activation, but not caspase 8 activation. Isoform 1 increases apoptosis triggered by both TNF and the DNA-damaging agent mytomycin C; in sharp contrast, isoform 2 suppresses apoptosis. Can modulate IFN-gamma-mediated transcriptional activity. Isoform 2 may play a role in neuromuscular junction development as an effector of the MUSK signaling pathway.
Cellular Location	Mitochondrion matrix. Cytoplasm, cytosol. Postsynaptic cell membrane; Peripheral membrane protein. Note=Recruited to the postsynaptic cell membrane of the neuromuscular junction through interaction with MUSK
Tissue Location	Widely expressed with highest levels in heart, liver, lung and skeletal muscles (PubMed:9683573). Also expressed in keratinocytes; expression level and

distribution is altered in basal cell carcinomas (PubMed:12783860, PubMed:9683573)