

**HCA57 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58701****Specification**

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**HCA57 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q96EY1</a>
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	52489

**HCA57 Polyclonal Antibody - 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 ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**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.

**HCA57 Polyclonal Antibody - 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 mytomyacin 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)

**HCA57 Polyclonal Antibody - 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](#)

**HCA57 Polyclonal Antibody - Images**