Datasheet for ABIN7154849

anti-HSPA1L antibody (AA 420-641) (FITC)

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Overview

Quantity:	100 µL
Target:	HSPA1L
Binding Specificity:	AA 420-641
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HSPA1L antibody is conjugated to FITC
Application:	Please inquire

Product Details

Immunogen:	Recombinant Human Heat shock 70 kDa protein 1-like protein (420-641AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	HSPA1L
Alternative Name:	HSPA1L (HSPA1L Products)
Background:	Background: Molecular chaperone implicated in a wide variety of cellular processes, including protection of the proteome from stress, folding and transport of newly synthesized

Target Details

	polypeptides, activation of proteolysis of misfolded proteins and the formation and dissociation of protein complexes. Plays a pivotal role in the protein quality control system, ensuring the correct folding of proteins, the re-folding of misfolded proteins and controlling the targeting of proteins for subsequent degradation. This is achieved through cycles of ATP binding, ATP hydrolysis and ADP release, mediated by co-chaperones. The affinity for polypeptides is regulated by its nucleotide bound state. In the ATP-bound form, it has a low affinity for substrate proteins. However, upon hydrolysis of the ATP to ADP, it undergoes a conformational change that increases its affinity for substrate proteins. It goes through repeated cycles of ATP hydrolysis and nucleotide exchange, which permits cycles of substrate binding and release (PubMed:26865365). Positive regulator of PRKN translocation to damaged mitochondria (PubMed:24270810). Aliases: Heat shock 70 kDa protein 1 Hom antibody, Heat shock 70 kDa protein 1 like antibody, Heat shock 70 kDa protein 1-Hom antibody, Heat shock 70 kDa protein 1-like antibody, Heat shock 70 kDa protein 1L antibody, Heat shock 70kD protein like 1 antibody, HS71L_HUMAN antibody, HSP70 1L antibody, HSP70 HOM antibody, HSP70-Hom antibody, HSPA1L antibody, hum70t antibody, Spermatid specific heat shock protein 70 antibody
UniProt:	P34931

Application Details

Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Preservative: 0.03 % Proclin 300 Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C,-80 °C
Storage Comment:	Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.