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Datasheet for ABIN7113564 **anti-DNAJA1 antibody**

Overview

Quantity:	100 µg
Target:	DNAJA1
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAJA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	DnaJ(Hsp40) homolog, subfamily A, member 1
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	DNAJA1
Alternative Name:	DNAJA1 (DNAJA1 Products)
Background:	Synonyms:DJ 2, DjA1, DnaJ protein homolog 2, DNAJ2, DNAJA1, hDJ 2, HDJ2, Heat shock 40 kDa protein 4, Heat shock protein J2, HSDJ, HSJ 2, HSJ2, HSPF4, Human DnaJ protein 2 Background:Co-chaperone for HSPA8/Hsc70(PubMed:10816573). Stimulates ATP hydrolysis, but not the folding of unfolded proteins mediated by HSPA1A(in vitro)(PubMed:24318877).

Target Details

Plays a role in protein transport into mitochondria via its role as co-chaperone. Functions as co-chaperone for HSPA1B and negatively regulates the translocation of BAX from the cytosol to mitochondria in response to cellular stress, thereby protecting cells against apoptosis(PubMed:14752510). Promotes apoptosis in response to cellular stress mediated by exposure to anisomycin or UV(PubMed:24512202).

Molecular Weight: 45 kDa

Gene ID: 3301

UniProt: [P31689](#)

Pathways: [Intracellular Steroid Hormone Receptor Signaling Pathway](#)

Application Details

Application Notes: WB: 1:500-1:1000, IHC: 1:20-1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months