

Datasheet for ABIN7150492
anti-DNAJA1 antibody (AA 8-106)[Go to Product page](#)

3 Images

Overview

Quantity:	100 µg
Target:	DNAJA1
Binding Specificity:	AA 8-106
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAJA1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant Human DnaJ homolog subfamily A member 1 protein (8-106AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	DNAJA1
Alternative Name:	DNAJA1 (DNAJA1 Products)
Background:	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).

Aliases: DJ 2 antibody, DJ2 antibody, DjA1 antibody, DnaJ (Hsp40) homolog, subfamily A, member 1 antibody, DnaJ homolog subfamily A member 1 antibody, DnaJ protein homolog 2 antibody, DNAJ2 antibody, Dnaja1 antibody, DNJA1_HUMAN antibody, hDJ 2 antibody, HDJ-2 antibody, HDJ2 antibody, Heat shock 40 kDa protein 4 antibody, heat shock protein DNAJ like 2 antibody, Heat shock protein J2 antibody, HSDJ antibody, HSJ-2 antibody, HSJ2 antibody, HSPF4 antibody, Human DnaJ protein 2 antibody, NEDD7 antibody, Neural precursor cell expressed developmentally down regulated 7 antibody, OTTHUMP00000021193 antibody

UniProt: [P31689](#)

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

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000, IHC:1:1000-1:2000, IF:1:200-1:500,

Restrictions: For Research Use only

Handling

Format: Liquid

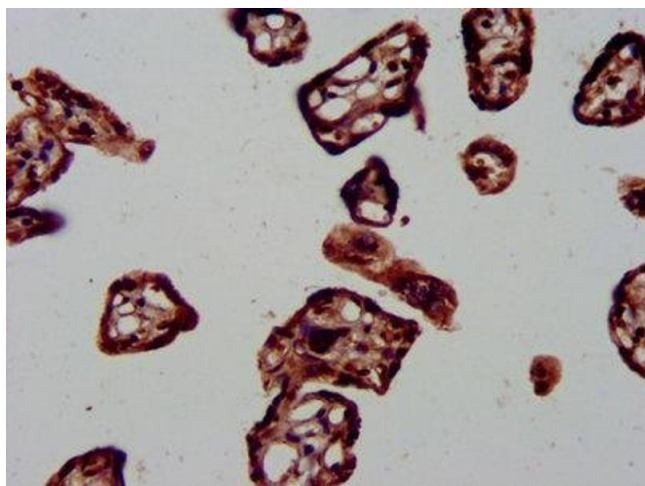
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

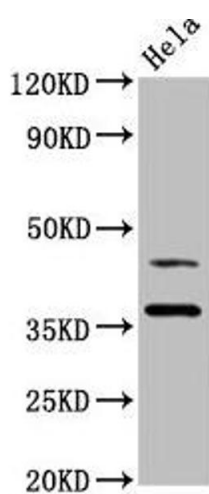
Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



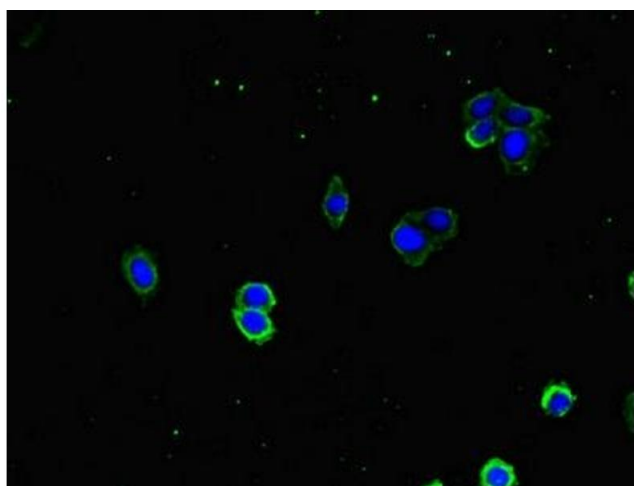
Immunohistochemistry

Image 1. IHC image of ABIN7150492 diluted at 1:1000 and staining in paraffin-embedded human placenta tissue performed on a Leica Bond™ system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10 % normal goat serum 30 min at RT. Then primary antibody (1 % BSA) was incubated at 4 °C overnight. The primary is detected by a biotinylated secondary antibody and visualized using an HRP conjugated SP system.



Western Blotting

Image 2. Western Blot Positive WB detected in: HeLa whole cell lysate All lanes: DNAJA1 antibody at 3.4 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 45, 38 kDa Observed band size: 45, 38 kDa



Immunofluorescence

Image 3. Immunofluorescence staining of HepG2 cells with ABIN7150492 at 1:333, counter-stained with DAPI. The cells were fixed in 4 % formaldehyde, permeabilized using 0.2 % Triton X-100 and blocked in 10 % normal Goat Serum. The cells were then incubated with the antibody overnight at 4 °C. The secondary antibody was Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).