

Datasheet for ABIN7150537
anti-DNAJC1 antibody (AA 521-793)[Go to Product page](#)

2 Images

Overview

Quantity:	100 µL
Target:	DNAJC1
Binding Specificity:	AA 521-793
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This DNAJC1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human DnaJ homolog subfamily C member 10 protein (521-793AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	Antigen Affinity Purified

Target Details

Target:	DNAJC1
Alternative Name:	DNAJC1 (DNAJC1 Products)
Background:	Background: Endoplasmic reticulum disulfide reductase involved both in the correct folding of proteins and degradation of misfolded proteins. Required for efficient folding of proteins in the

Target Details

endoplasmic reticulum by catalyzing the removal of non-native disulfide bonds formed during the folding of proteins, such as LDLR. Also involved in endoplasmic reticulum-associated degradation (ERAD) by reducing incorrect disulfide bonds in misfolded glycoproteins recognized by EDEM1. Interaction with HSPA5 is required its activity, not for the disulfide reductase activity, but to facilitate the release of DNAJC10 from its substrate. Promotes apoptotic signaling pathway in response to endoplasmic reticulum stress.

Aliases: DNAJC10 antibody, ERDJ5 antibody, UNQ495/PRO1012DnaJ homolog subfamily C member 10 antibody, EC 1.8.4.- antibody, Endoplasmic reticulum DNA J domain-containing protein 5 antibody, ER-resident protein ERdj5 antibody, ERdj5 antibody, Macrothioredoxin antibody, MTHr antibody

UniProt: [Q8IXB1](#)

Pathways: [Chromatin Binding](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:2000, IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

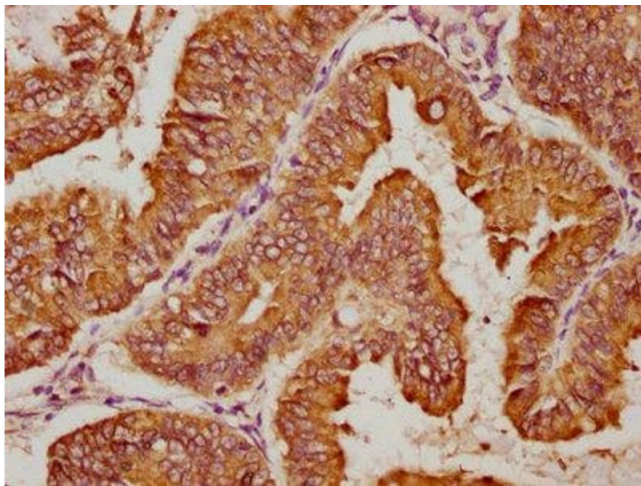
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

Preservative: ProClin

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

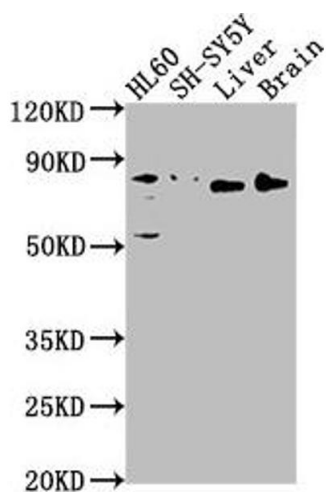
Storage: -20 °C,-80 °C

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



Immunohistochemistry

Image 1. IHC image of ABIN7150537 diluted at 1:100 and staining in paraffin-embedded human endometrial cancer 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: HL60 whole cell lysate, SH-SY5Y whole cell lysate, Rat liver tissue, Rat brain tissue All lanes: DNAJC10 antibody at 1:1000 Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 92, 87, 38 kDa Observed band size: 80 kDa