

ARG41182 anti-DNAJB6 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes DNAJB6
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	DNAJB6
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 177-326 of Human DNAJB6 (NP_490647.1).
Conjugation	Un-conjugated
Alternate Names	LGMD1D; DJ4; Heat shock protein J2; MRJ; DnaJ homolog subfamily B member 6; Hsj-2; HHDJ1; Hsj2; LGMD1E; MSJ-1; DnaJ

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Rat brain	
Observed Size	40 kDa	

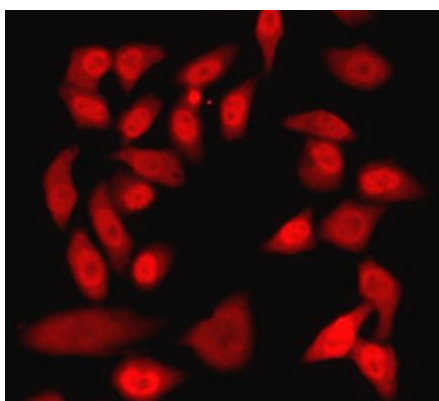
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Bioinformation

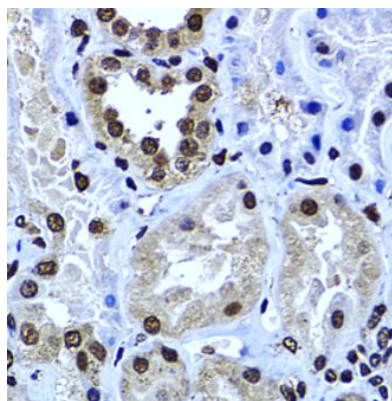
Gene Symbol	DNAJB6
Gene Full Name	DnaJ (Hsp40) homolog, subfamily B, member 6
Background	This gene encodes a member of the DNAJ protein family. DNAJ family members are characterized by a highly conserved amino acid stretch called the 'J-domain' and function as one of the two major classes of molecular chaperones involved in a wide range of cellular events, such as protein folding and oligomeric protein complex assembly. This family member may also play a role in polyglutamine aggregation in specific neurons. Alternative splicing of this gene results in multiple transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]
Function	Plays an indispensable role in the organization of KRT8/KRT18 filaments. Acts as an endogenous molecular chaperone for neuronal proteins including huntingtin. Suppresses aggregation and toxicity of polyglutamine-containing, aggregation-prone proteins. Isoform B but not isoform A inhibits huntingtin aggregation. Has a stimulatory effect on the ATPase activity of HSP70 in a dose-dependent and time-dependent manner and hence acts as a co-chaperone of HSP70. Also reduces cellular toxicity and caspase-3 activity. [UniProt]
Calculated Mw	36 kDa
Cellular Localization	Cytoplasm, perinuclear region. Nucleus. Cytoplasm, myofibril, sarcomere, Z line. [UniProt]

Images



ARG41182 anti-DNAJB6 antibody ICC/IF image

Immunofluorescence: U2OS cells stained with ARG41182 anti-DNAJB6 antibody.

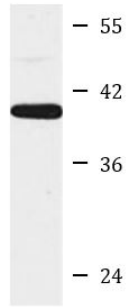


ARG41182 anti-DNAJB6 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human kidney tissue stained with ARG41182 anti-DNAJB6 antibody at 1:100 dilution.

ARG41182 anti-DNAJB6 antibody WB image

Western blot: 25 µg of Rat brain lysate stained with ARG41182 anti-DNAJB6 antibody at 1:1000 dilution.



Rat brain