

Rabbit anti-Human DPH4/DNAJC24 Polyclonal Antibody | anti-DNAJC24 antibody

Anti-DPH4/DNAJC24 Antibody, Rabbit Polyclonal

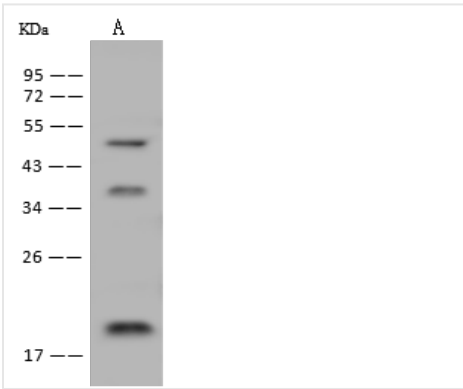
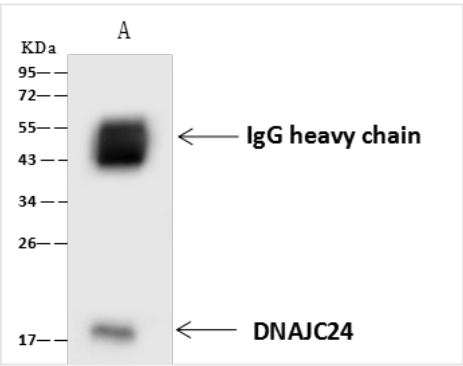
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA256317	Rabbit	Human	Immunoprecipitation, Western Blot

PRODUCT SYNONYMS

DPH4/DNAJC24; Polyclonal Antibody; Anti-DPH4/DNAJC24 Antibody; Rabbit Polyclonal; DPH4/DNAJC24 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-AC108456.1 Antibody; Anti-JJJ3 Antibody; Anti-ZCSL3 Antibody; anti-DNAJC24 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human DPH4/DNAJC24
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; PBS, pH7.0 with 0.03% Proclin300
Applicable Applications for anti-DNAJC24 antibody	IP (Immunoprecipitation), WB (Western Blot)
Immunogen	E Coli-derived Human DPH4/DNAJC24 fragment
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with E Coli-derived Human DPH4/DNAJC24 fragment, and purified by antigen affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Avoid repeated freeze-thaw cycles.



IP (Immunoprecipitation)
DNAJC24 was immunoprecipitated using: Lane A: 0.5 mg U251MG Whole Cell Lysate 4 uL anti-DNAJC24 rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti-DNAJC24 rabbit polyclonal antibody, at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 17 kDa Observed band size :22 kDa

WB (Western Blot)
Anti-DNAJC24 rabbit polyclonal antibody at 1:500 dilution Lane A: U-251 MG Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 17 kDa Observed band size: 20 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-DNAJC24 antibody	Diphthamide is a post-translationally modified histidine residue found in eukaryotic and archaeal translation elongation factor 2 (EF2). It is named after the fact that it is the target of diphtheria toxin (DT) produced by <i>Corynebacterium diphtheriae</i> . DT and the <i>Pseudomonas aeruginosa</i> exotoxin A (ETA) catalyze the ADP-ribosylation reaction on the diphthamide residue of EF2 using nicotinamide adenine dinucleotide (NAD) as the ADP-ribosyl donor. EF2 catalyzes the translocation of mRNA and peptidyl-tRNA from ribosome A site to P site. The ADP-ribosylation of EF2 inactivates it, stopping protein synthesis and leading to cell death. This modification is conserved from archaeobacteria to humans. DPH4 (also known as DNAJC24, JJJ3 and ZCSL3) is 1 of several enzymes involved in synthesis of diphthamide in EEF2.
References	Su X, et al. (2013) The biosynthesis and biological function of diphthamide. <i>Crit Rev Biochem Mol Biol</i> 48 (6): 515-521.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.