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Datasheet for 600-401-AW4

DNAJC13 Antibody

Overview

Description:	Anti-DNAJC13 (RABBIT) Antibody - 600-401-AW4
Item No.:	600-401-AW4
Size:	100 µg
Applications:	ELISA, IHC, WB
Reactivity:	Human, Mouse
Host Species:	Rabbit

Product Details

Background:	DNAJC13, also known as receptor-mediated endocytosis 8 (RME8), is the human homolog to a DnaJ domain-containing protein originally identified in a screen for endocytic defects in C. elegans (1). It is thought to be a co-chaperone of Hsc70 which regulates protein conformation at membrane sites and plays a role in intracellular trafficking, co-localizing with markers of the endosomal system. Recent experiments have indicated that the DNAJC13 protein is involved in membrane trafficking through early endosomes but not through degradative organelles (2). DNAJC13 has been also been shown to regulate the intracellular trafficking of the epidermal growth factor receptor (3).
Synonyms:	DNAJ homolog subfamily C member 13, receptor-mediated endocytosis 8, RME8
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	DNAJC13
Reactivity:	Human, Mouse
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-DNAJC13 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid peptide near the C-terminus of human DNAJC13.

Purity/Specificity:	Anti-DNAJC13 antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. DNAJC13 antibody is human and mouse reactive. At least two isoforms of DNAJC13 are known to exist; this antibody will detect both isoforms. DNAJC13 antibody is predicted to not cross-react with other DNAJC family members.
Relevant Links:	• UniProtKB - O75165 • GeneID - 23317 • NCBI - NP_056083

Application Details

Tested Applications:	ELISA, IHC, WB
Application Note:	Anti-DNAJC13 Antibody has been tested for use in ELISA, immunohistochemistry, and Western Blotting. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 254 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IHC:	5 µg/mL
WB:	1-2 µg/mL

Formulation

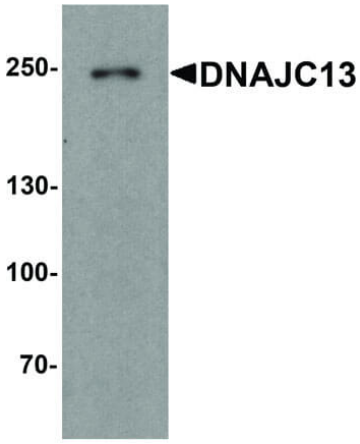
Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Expiration: Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Rabbit anti-DNAJC13 antibody. Lane A: human heart tissue lysate. Primary antibody: DNAJC13 antibody at 1 µg/mL overnight at 4℃. Secondary antibody: Goat anti-Rabbit HRP secondary antibody. Block: 5% BLOTTO. Predicted/Observed size: 249 kDa, 249 kDa for DNAJC13.

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