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Datasheet for ABIN1694705

anti-IdnK antibody (AA 51-150) (Alexa Fluor 488)

Overview

Quantity:	100 µL
Target:	IdnK (IDNK)
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IdnK antibody is conjugated to Alexa Fluor 488
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C9orf103
Isotype:	IgG
Predicted Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

Target Details

Target:	IdnK (IDNK)
Alternative Name:	C9orf103 (IDNK Products)
Background:	Synonyms: bA522I20.2, C9orf103, Chromosome 9 open reading frame 103, Glucokinase like

Target Details

protein, Gluconate kinase, Gluconokinase like protein, GNTK_HUMAN, IDNK, OTTHUMP00000021546, OTTHUMP00000021547, Probable gluconokinase, RP11-522I20.2. Background: C9orf103 (chromosome 9 open reading frame 103), also known as gluconate kinase, is a 187 amino acid protein that belongs to the gluconokinase gntK/gntV family and catalyzes the conversion of ATP and D-gluconate to ADP and 6-D-gluconate. Existing as three alternatively spliced isoforms, the gene encoding C9orf103 maps to human chromosome 9q21.32. Chromosome 9 consists of about 145 million bases, represents 4 % of the human genome and encodes nearly 900 genes. Thought to play a role in gender determination, deletion of the distal portion of 9p can lead to development of male to female sex reversal, the phenotype of a female with a male X,Y genotype. Hereditary hemorrhagic telangiectasia, which is characterized by harmful vascular defects, is associated with the chromosome 9 gene encoding endoglin protein, ENG. Familial dysautonomia is also associated with chromosome 9 though through the gene IKBKAP. Notably, chromosome 9 encompasses the largest interferon family gene cluster.

Gene ID: 414328

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

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

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months