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Datasheet for ABIN1712457
anti-IBA57 antibody (AA 131-230) (HRP)

Overview

Quantity:	100 µL
Target:	IBA57
Binding Specificity:	AA 131-230
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IBA57 antibody is conjugated to HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human C1orf69
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human,Mouse,Pig
Purification:	Purified by Protein A.

Target Details

Target:	IBA57
Alternative Name:	C1orf69 (IBA57 Products)

Target Details

Background: Synonyms: C1orf69, CA069_HUMAN, CAF17_HUMAN, FLJ12734, FLJ13849, IBA57, IBA57 iron sulfur cluster assembly homolog, IBA57 iron sulfur cluster assembly homolog *S. cerevisiae*, Iron sulfur cluster assembly factor for biotin synthase and aconitase like, Iron-sulfur cluster assembly factor homolog, mitochondrial, Mitochondrial proteins with a mass of 57 kDa, Putative transferase C1orf69, Putative transferase C1orf69 mitochondrial, Putative transferase CAF17, mitochondrial.

Background: Belonging to the CAF17 subfamily of the *gcvT* family, C1orf69 is a 356 amino acid mitochondrial protein that is required for normal heme synthesis. Heme synthesis is dependent upon receiving iron through iron sulfur (Fe-S) cluster biogenesis proteins such as C1orf69, which is specifically thought to assemble Fe-S clusters for mitochondrial aconitase and lipoate synthase. In zebrafish, deficiency of C1orf69 causes anemia. The gene encoding C1orf69 maps to human chromosome 1, the largest human chromosome spanning about 260 million base pairs and making up 8 % of the human genome. There are about 3,000 genes on chromosome 1, and considering the great number of genes there are also a large number of diseases associated with chromosome 1.

Gene ID: 200205

Application Details

Application Notes: WB 1:300-5000
IHC-P 1:200-400
IHC-F 1:100-500

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.

Handling Advice: Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish

Handling

peroxidase.

Storage: -20 °C

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

Expiry Date: 12 months