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Datasheet for ABIN7146327
anti-EFHA1 antibody (AA 26-247) (Biotin)

Overview

Quantity:	100 µg
Target:	EFHA1
Binding Specificity:	AA 26-247
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This EFHA1 antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Calcium uptake protein 2, mitochondrial protein (26-247AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	EFHA1
Alternative Name:	MICU2 (EFHA1 Products)
Background:	Background: Key regulator of mitochondrial calcium uniporter (MCU) required to limit calcium uptake by MCU when cytoplasmic calcium is low (PubMed:24503055, PubMed:24560927,

Target Details

PubMed:26903221). MICU1 and MICU2 form a disulfide-linked heterodimer that stimulate and inhibit MCU activity, depending on the concentration of calcium (PubMed:24560927). MICU2 acts as a gatekeeper of MCU that senses calcium level via its EF-hand domains: prevents channel opening at resting calcium, avoiding energy dissipation and cell-death triggering (PubMed:24560927).

Aliases: 1110008L20Rik antibody, EF hand domain containing family member A1 antibody, EF hand domain family A1 antibody, EF hand domain family member A1 antibody, EF-hand domain-containing family member A1 antibody, EFHA1 antibody, EFHA1 EF hand domain family member A1 antibody, EFHA1_HUMAN antibody, FLJ25016 antibody, FLJ34588 antibody, Smhs2 homolog antibody

UniProt: [Q8IYU8](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, pH 7.4

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,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.