

SELENOK Rabbit pAb

Catalog No.: A20560 **3 Publications**

Basic Information

Observed MW

11kDa

Calculated MW

11kDa

Category

Primary antibody

Applications

WB, ELISA

Cross-Reactivity

Mouse

Background

The protein encoded by this gene belongs to the selenoprotein K family. It is a transmembrane protein that is localized in the endoplasmic reticulum (ER), and is involved in ER-associated degradation (ERAD) of misfolded, glycosylated proteins. It also has a role in the protection of cells from ER stress-induced apoptosis. Knockout studies in mice show the importance of this gene in promoting Ca(2+) flux in immune cells and mounting effective immune response. This protein is a selenoprotein, containing the rare amino acid selenocysteine (Sec). Sec is encoded by the UGA codon, which normally signals translation termination. The 3' UTRs of selenoprotein mRNAs contain a conserved stem-loop structure, designated the Sec insertion sequence (SECIS) element, that is necessary for the recognition of UGA as a Sec codon, rather than as a stop signal. Pseudogenes of this locus have been identified on chromosomes 6 and 19.

Recommended Dilutions

WB 1:500 - 1:1000**ELISA** Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

58515

Swiss Prot

Q9Y6D0

Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms

SELK; HSPC030; HSPC297; SELENOK

Contact

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Product Information

Source

Rabbit

Isotype

IgG

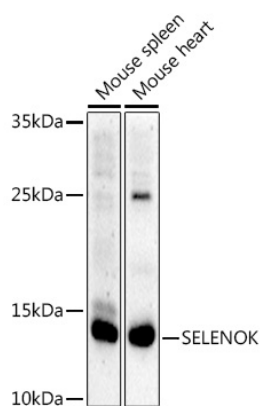
Purification

Affinity purification

Storage

Store at -20°C

Validation Data



Western blot analysis of various lysates using SELENOK Rabbit pAb (A20560) at 1:1000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 180s.