

Datasheet for ABIN1450003

anti-Selenoprotein K antibody (C-Term)[Go to Product page](#)**1** Image

Overview

Quantity:	0.1 mg
Target:	Selenoprotein K (SELK)
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Selenoprotein K antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	SELK antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of Human SELK
Isotype:	IgG
Purification:	Affinity chromatography purified via peptide column

Target Details

Target:	Selenoprotein K (SELK)
Abstract:	SELK Products
Background:	SELK is a selenoprotein, containing a selenocysteine residue at its active site. SELK is localized to the endoplasmic reticulum and is highly expressed in the heart, where it may function as an antioxidant. SELK can bind to proteins such as the ER-associated degradation (ERAD)

Target Details

components p97 ATPase, Derlin-1 and -2, and SelS as well as proteins in the oligosaccharyltransferase complex, suggesting that SELK may be involved in the Derlin-dependent ERAD of glycosylated misfolded proteins. SELK is also thought to be important in Ca²⁺ flux in immune cells, and is cleaved by m-calpain in resting macrophages. When these macrophages are activated through different Toll-like receptors, this cleavage is inhibited

Molecular Weight: 10 kDa

Gene ID: 58515

NCBI Accession: [NP_067060](#)

Application Details

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

Restrictions: For Research Use only

Handling

Concentration: 1.0 mg/mL

Buffer: PBS containing 0.02 % Sodium Azide as preservative

Preservative: Sodium azide

Precaution of Use: This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

Storage Comment: Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of SELK in A20 cell lysate with SELK antibody at (A) 1 and (B) 2 $\mu\text{g/ml}$.