

[Go to Product page](#)

Datasheet for ABIN6991730

anti-Selenoprotein K antibody (C-Term)

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), ELISA, Immunofluorescence (IF)

Product Details

Immunogen:	SELK antibody was raised against an 18 amino acid synthetic peptide near the carboxy terminus of human SELK. The immunogen is located within the last 50 amino acids of SELK.
Isotype:	IgG
Purification:	SELK Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	Selenoprotein K (SELK)
Alternative Name:	SELK (SELK Products)
Background:	SELK Antibody: 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

Target Details

degradation (ERAD) 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](#)

UniProt: [Q9Y6D0](#)

Application Details

Application Notes: SELK antibody can be used for detection of SELK by Western blot at 1 - 2 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in mouse samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: SELK Antibody is supplied in PBS containing 0.02 % sodium azide.

Preservative: Sodium azide

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

Storage: -20 °C, 4 °C

Storage Comment: SELK antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.