

Product Name: KD-Validated FIS1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA01861**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000
Molecular Weight	Calculated MW: 16.9kDa

Antigen Information

Gene Name	FIS1
Alternative Names	FIS1; Fission, Mitochondrial 1; H_NH0132A01.6; CGI-135; TTC11; Tetratricopeptide Repeat Protein 11; Tetratricopeptide Repeat Domain 11; Mitochondrial Fission 1 Protein; Mitochondrial Fission Molecule; TPR Repeat Protein 11; FIS1 Homolog; HFis1; Fission 1 (Mitochondrial Outer Membrane) Homolog (S. Cerevisiae); Fission 1 (Mitochondrial Outer Membrane) Homolog (Yeast); Fission 1 (Mitochondrial Outer Membrane) Homolog; CGI-135 Protein
Gene ID	51024.0
SwissProt ID	Q9Y3D6
Immunogen	A synthesized peptide derived from human TTC11

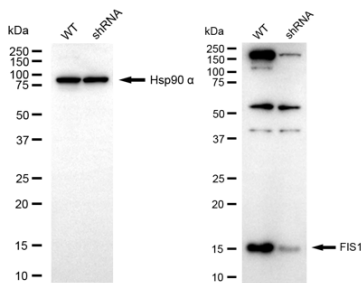
Background

Enables identical protein binding activity; lipid binding activity; and molecular adaptor activity. Involved in several processes, including negative regulation of ATP metabolic process; negative regulation of fatty acid transport; and organelle fission. Acts upstream of or within mitochondrion organization. Located in mitochondrial outer membrane and peroxisomal membrane. Part of protein-containing complex. Biomarker of Alzheimer's disease. [provided by Alliance of Genome Resources, Apr 2025]

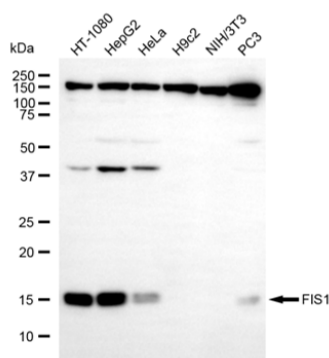
Research Area

Cancer, Cell Biology, Metabolism

Image Data



Western blotting analysis using FIS1 antibody (KVA01861). FIS1 expression in wild-type (WT) and FIS1 shRNA knockdown (KD) HeLa cells with 15 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with FIS1 antibody (KVA01861, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using FIS1 antibody (KVA01861). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with FIS1 antibody (KVA01861, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.