

Product Name: KD-Validated ALDOA Recombinant Rabbit Monoclonal Antibody
Catalog #: KVAb00753

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
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: 39.4kDa

Antigen Information

Gene Name	ALDOA
Alternative Names	ALDOA; Aldolase, Fructose-Bisphosphate A; Aldolase A, Fructose-Bisphosphate; Fructose-Bisphosphate Aldolase A; Lung Cancer Antigen NY-LU-1; Muscle-Type Aldolase; EC 4.1.2.13; ALDA; Epididymis Secretory Sperm Binding Protein Li 87p; Fructose-1,6-Bisphosphate Triosephosphate-Lyase; HEL-S-87p; GSD12
Gene ID	226.0
SwissProt ID	P04075
Immunogen	A synthesized peptide derived from human Aldolase

Background

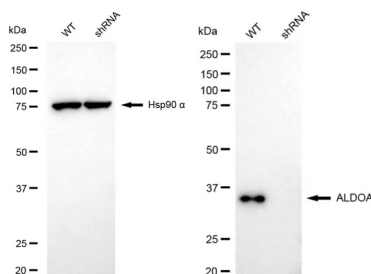
This gene encodes a member of the class I fructose-bisphosphate aldolase protein family. The encoded protein is a glycolytic

enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Mutations in this gene have been associated with Glycogen Storage Disease XII, an autosomal recessive disorder associated with hemolytic anemia. Disruption of this gene also plays a role in the progression of multiple types of cancers. Related pseudogenes have been identified on chromosomes 3 and 10. [provided by RefSeq, Sep 2017]

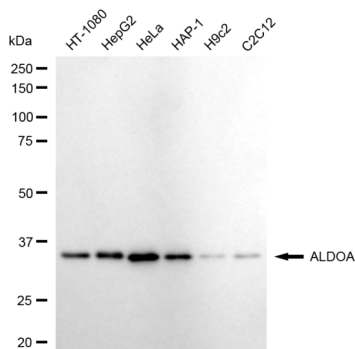
Research Area

Signal Transduction,Cancer,Metabolism,Neuroscience

Image Data



Western blotting analysis using ALDOA antibody (KVA00753). ALDOA expression in wild-type (WT) and ALDOA shRNA knockdown (KD) HeLa cells with 20 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with ALDOA antibody (KVA00753, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using ALDOA antibody (KVA00753). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with ALDOA antibody (KVA00753, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.