

Product Name: KD-Validated CLIC4 Rabbit Polyclonal Antibody**Catalog #: KVA00451**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,IHC-P
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
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 1:500-1:2,500; IHC-P 1:100-1:200
Molecular Weight	Calculated MW: 28.8kDa

Antigen Information

Gene Name	CLIC4
Alternative Names	CLIC4; Chloride Intracellular Channel 4; CLIC4L; P64H1; HuH1; H1; Intracellular Chloride Ion Channel Protein P64H1; Chloride Intracellular Channel Protein 4; Glutaredoxin-Like Oxidoreductase CLIC4; DKFZP566G223; Epididymis Secretory Sperm Binding Protein; Chloride Intracellular Channel 4 Like; EC 1.8.-.-; MTCLIC
Gene ID	25932.0
SwissProt ID	Q9Y696
Immunogen	A synthesized peptide derived from human CLIC4

Background

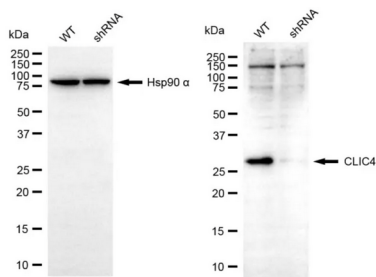
Chloride channels are a diverse group of proteins that regulate fundamental cellular processes including stabilization of cell

membrane potential, transepithelial transport, maintenance of intracellular pH, and regulation of cell volume. Chloride intracellular channel 4 (CLIC4) protein, encoded by the CLIC4 gene, is a member of the p64 family; the gene is expressed in many tissues and exhibits a intracellular vesicular pattern in Panc-1 cells (pancreatic cancer cells). [provided by RefSeq, Jul 2008]

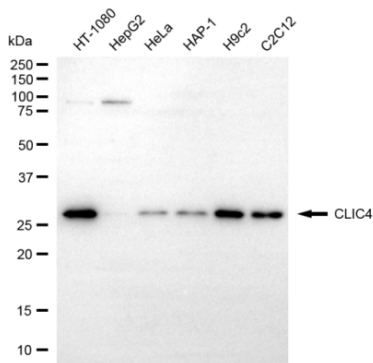
Research Area

Cell Biology, Epigenetics and Nuclear Signaling, Signal Transduction, Metabolism, Cancer

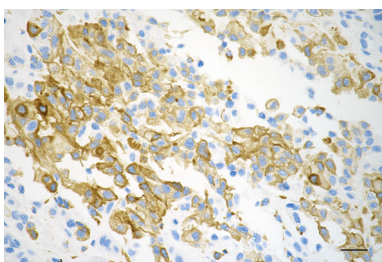
Image Data



Western blotting analysis using CLIC4 antibody (KVA00451). CLIC4 expression in wild-type (WT) and CLIC4 shRNA knockdown (KD) HeLa cells with 30 µg of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with CLIC4 antibody (KVA00451, 1:1,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using CLIC4 antibody (KVA00451). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with CLIC4 antibody (KVA00451, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Immunohistochemistry was performed on paraffin-embedded human melanoma using chloride intracellular channel 4 antibody (KVA00451, 1:200). Antigen retrieval was done in sodium citrate buffer (pH 6.0). DAB was used for detection, with hematoxylin counterstaining. Images were acquired using a Nikon Ci-L Plus microscope (40× objective). Scale bar: 25 µm.