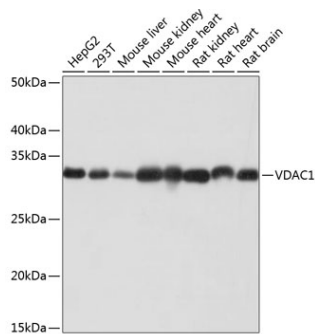
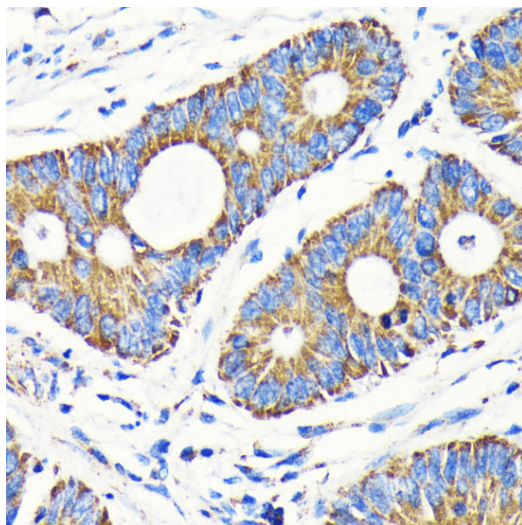


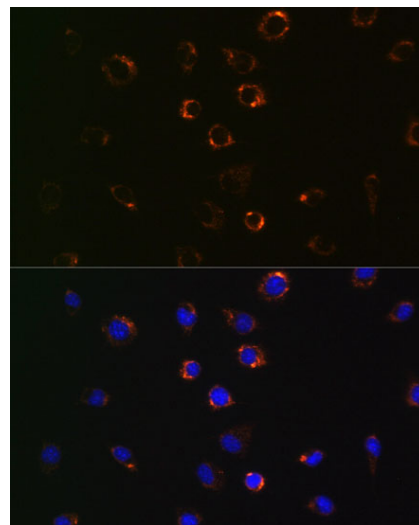
Product name:	VDAC1 Rabbit Monoclonal Antibody
Cat number:	MAB-94757
Conjugate:	Unconjugated
Size:	100 ug
Clone:	ARC0187
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	A synthetic peptide corresponding to a sequence within amino acids 1-100 of human VDAC1
Reactivity:	Hu, Ms ,Rt
Applications:	Western Blot 1:500 - 1:2000 Immunohistochemistry 1:50 - 1:200 Immunofluorescence 1:50 - 1:200 Immunocytochemistry 1:50 - 1:200
Molecular Weight:	31 kDa
Purification:	Aff. Pur.
Form:	Liquid
Buffer:	PBS with 0.02% sodium azide,0.05% BSA,50% glycerol,pH7.3.
Storage:	Store at -20°C. Avoid freeze / thaw cycles
Background:	This gene encodes a voltage-dependent anion channel protein that is a major component of the outer mitochondrial membrane. The encoded protein facilitates the exchange of metabolites and ions across the outer mitochondrial membrane and may regulate mitochondrial functions. This protein also forms channels in the plasma membrane and may be involved in transmembrane electron transport. Alternate splicing results in multiple transcript variants. Multiple pseudogenes of this gene are found on chromosomes 1, 2 3, 6, 9, 12, X and Y.



Western blot analysis of extracts of various cell lines, using VDAC1 antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Immunohistochemistry of paraffin-embedded human colon carcinoma using VDAC1 antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Immunofluorescence analysis of L929 cells using VDAC1 antibody. Blue: DAPI for nuclear staining.