Catalog No. LF-PA0155

POLYCLONAL ANTIBODY

Anti-VDAC1

Background : Voltage-dependent anion channel(VDAC) proteins are abundant, pore-forming proteins belonging to the eukaryotic mitochondrial porins. It was discovered in the mitochondrial outer membrane. It also is expressed in the plasma membrane. At least three different VDAC genes have been identified in vertebrates. VDAC proteins are known to play an essential role in cellular metabolism and in the early stages of apoptosis. For example, VDAC contitutes a major pathway by which metabolites such as ADP/ATP, succinate and citrate are exchanged between the cytosol and mitochondria. And VDAC1 in the plasma membrane establishes a novel level of apoptosis regulation putatively via its redox activity.

Immunogen : Synthesis peptide (KLH coupled) corresponding to C-terminal residues of Human VDAC1

Host : Rabbit

Size : 100 μℓ

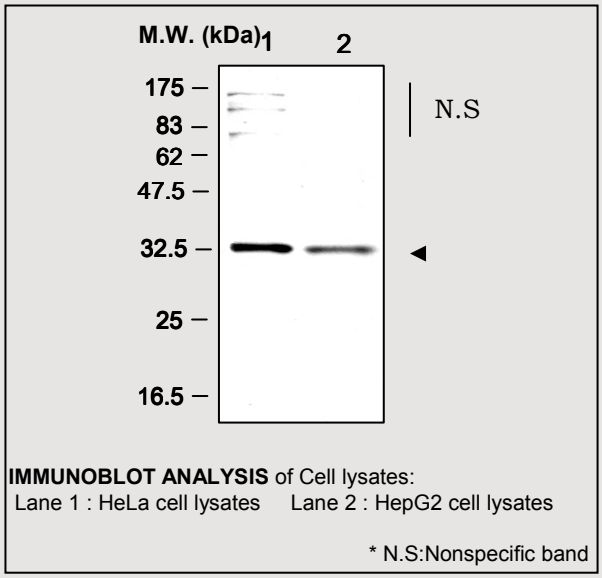
Composition : PBS containing 50% glycerol

Positive control : HepG2 cell lysates

Storage : store for 1 year at -20°C from date of shipment

Species cross reactivity

Human	Mouse	Rat
+	+	+



IMMUNOBLOT ANALYSIS of Cell lysates:
Lane 1 : HeLa cell lysates Lane 2 : HepG2 cell lysates

* N.S:Nonspecific band

Applications :
Western Blotting (1:2,000)

Background Reference:

(1) Hinsch KD, et al.(2004) *J. Biol. Chem.* **279**(15) :15281-8
(2) Liberatori S, et al.(2004) *Proteomics,* **4**(5) :1335-40
(3) Alfons Lawen, et al.(2005) *Int J Biochem Cell Biol.* **37**(2):277-82
(4) Mark A. Baker, et al.(2004) *J. Biol. Chem.* **279**(6):4811-4819

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