Recombinant DGRmAb®

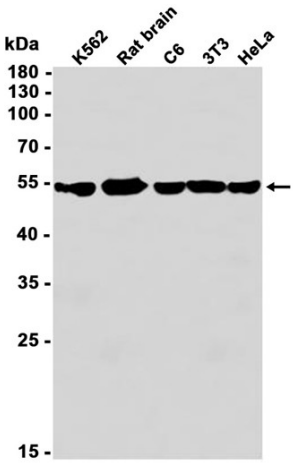
Lipoamide Dehydrogenase (DGR11788) Rabbit mAb

db12224 **Package : 10μL 20μL 50μL 100μL**

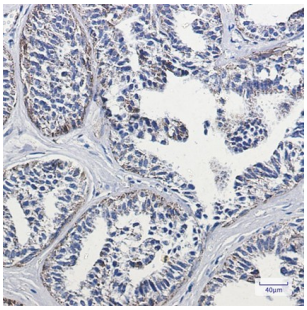
Product Name : Lipoamide Dehydrogenase (DGR11788) Rabbit mAb
Cat.No.: db12224
Synonyms : E3; LAD; DLDD; DLDH; GCSL; PHE3
Application : WB, IHC-P, ICC/IF
Reactivity : Human,Mouse,Rat
Host species : Rabbit

Background	This gene encodes a member of the class-I pyridine nucleotide-disulfide oxidoreductase family. The encoded protein has been identified as a moonlighting protein based on its ability to perform mechanistically distinct functions. In homodimeric form, the encoded protein functions as a dehydrogenase and is found in several multi-enzyme complexes that regulate energy metabolism. However, as a monomer, this protein can function as a protease. Mutations in this gene have been identified in patients with E3-deficient maple syrup urine disease and lipoamide dehydrogenase deficiency. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2014]
Immunogen	A synthetic peptide of human Lipoamide Dehydrogenase
Gene ID	1738
Swiss Prot	P09622
Synonyms	E3; LAD; DLDD; DLDH; GCSL; PHE3
Reactivity	Human,Mouse,Rat
Application	WB, IHC-P, ICC/IF
Recommended dilution	WB: 1:2000-1:20000 IHC-P: 1:100-1:200 ICC/IF: 1:100-1:200
Calculated MW	54 kDa
Observed MW	54 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11788

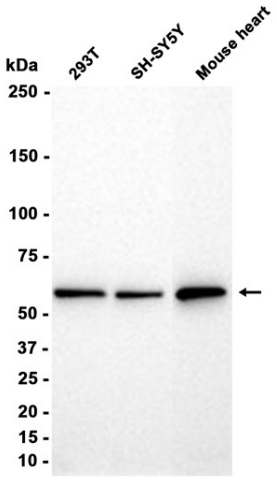
Isotype	IgG
Purity	Affinity Purification
Conjugation	Un-conjugated
Storage Stability	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.



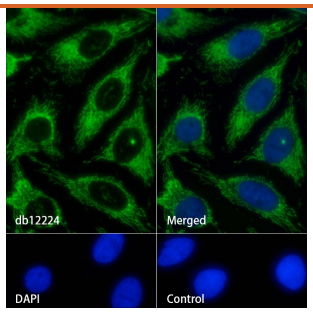
Western blot analysis of extracts from K562, C6, 3T3, HeLa cells and Rat brain tissue using db12224 at 1:1000.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue using db12224 antibody.



Western blot analysis of extracts from 293T, SH-SY5Y cells and Mouse heart tissue using db12224 at 1:1000.



Immunofluorescence analysis of HeLa cells labelling Lipoamide Dehydrogenase with db12224.

The cells were fixed with 4% PFA (10min, RT) followed by treatment with 0.1% Triton X-100 (10min, RT), and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db12224 (1:100) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.