Recombinant DGRmAb®

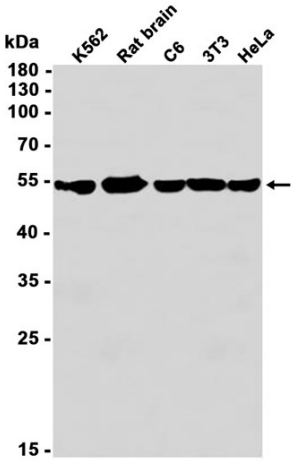
Lipoamide Dehydrogenase (DGR11788) Rabbit mAb (PBS Only)

db12224-PBS **Package : 10μg 100μg**

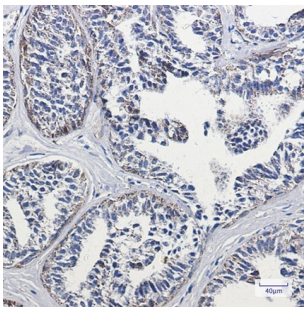
Product Name : Lipoamide Dehydrogenase (DGR11788) Rabbit mAb (PBS Only)
Cat.No.: db12224-PBS
Synonyms : E3; LAD; DLDD; DLDH; GCSL; PHE3
Application : WB, IHC-P, ICC/IF
Reactivity : Human,Mouse,Rat
Host species : Rabbit

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
Calculated MW	54 kDa
Observed MW	54 kDa
Host species	Rabbit
Clonality	Monoclonal
Clonality No.	DGR11788
Isotype	IgG
Purity	Affinity Purification

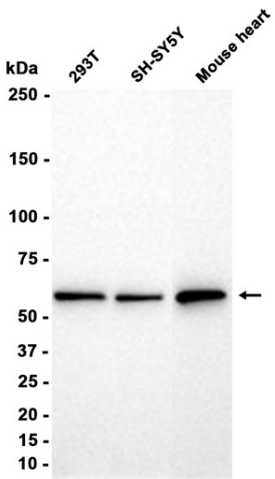
Conjugation	Un-conjugated
Concentration	1 mg/mL
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



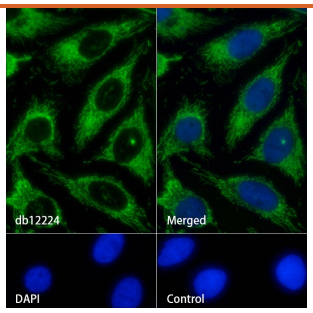
Western blot analysis of extracts from K562, C6, 3T3, HeLa cells and Rat brain tissue using db12224 at 1:1000.



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.