

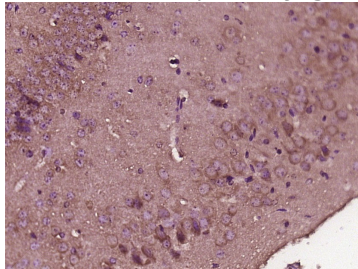
Anti-Lipoyl synthase Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse (predicted:Human,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,Sheep)
Molecular Weight:	Theoretical: 39 kDa.
Purification:	Protein A purified

Applications

Verified Activity: Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (LIAS) Polyclonal Antibody, Unconjugated (TMAB-01075) at 1:500 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.



Application:	IF,IHC-Fr,IHC-P,WB
Recommended	IF=1:100-500; IHC-Fr=1:100-500; IHC-P=1:100-500; WB=1:500-2000

Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	KLH conjugated synthetic peptide: human LIAS
Antigen Species:	Human
Gene ID:	11019
Uniprot ID:	O43766
Synonyms:	Lipoate synthase (LS;Lip-syn);Lipoic acid synthase;Lipoyl synthase, mitochondrial; mitochondrial;LAS;LIAS
Biology Area:	Mitochondria,Mitochondrial,Mitochondrial markers

Research Background

The protein encoded by this gene belongs to the biotin and lipoic acid synthetases family. It localizes in mitochondrion and plays an important role in alpha-(+)-lipoic acid synthesis. It may also function in the sulfur insertion chemistry in lipoate biosynthesis. Alternative splicing occurs at this locus and two transcript variants encoding distinct isoforms have been identified. [provided by RefSeq, Jul 2008]

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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