

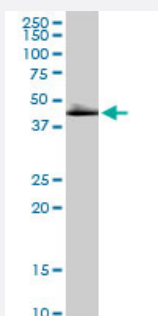
MaxPab®

DLST MaxPab rabbit polyclonal antibody (D01)

Catalog # H00001743-D01

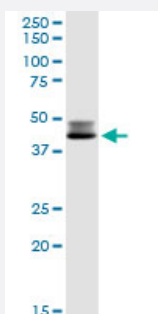
Size 100 uL

Applications



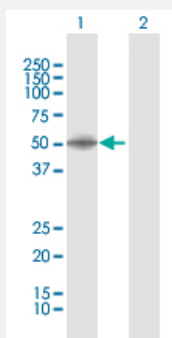
Western Blot (Tissue lysate)

DLST MaxPab rabbit polyclonal antibody. Western Blot analysis of DLST expression in human kidney.



Western Blot (Cell lysate)

DLST MaxPab rabbit polyclonal antibody. Western Blot analysis of DLST expression in HepG2.

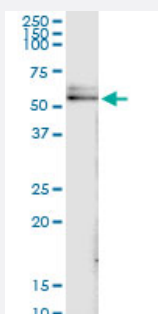


Western Blot (Transfected lysate)

Western Blot analysis of DLST expression in transfected 293T cell line ([H00001743-T02](#)) by DLST MaxPab polyclonal antibody.

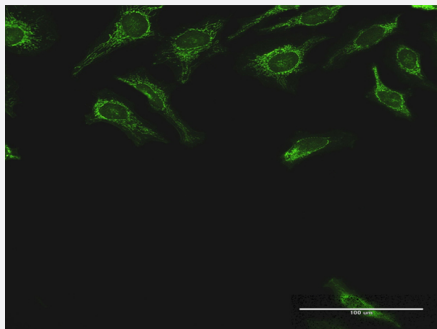
Lane 1: DLST transfected lysate(48.8 KDa).

Lane 2: Non-transfected lysate.



Immunoprecipitation

Immunoprecipitation of DLST transfected lysate using anti-DLST MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with DLST purified MaxPab mouse polyclonal antibody (B01P) ([H00001743-B01P](#)).



Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DLST on HeLa cell.
[antibody concentration 10 ug/ml]

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human DLST protein.
Immunogen	DLST (NP_001924.2, 1 a.a. ~ 453 a.a) full-length human protein.
Sequence	MLSRSRCVSRAFSRSLSAFQKGNCPLGRRSLPGVSLCQGGPGYPNSRKVVINNSVFSVRFFRTTA VCKDDLVTVKTPAFAESVTEGDVRWEKAVGDTVAEDEVVCEIETDKTSVQVPSPANGVIEALLV PDGGKVEGGTPLFTLRKTGAAPAKAKPAEAPAAAAAPKAAPTAAVPPPAAPIPTQMPPVSPSQ PPSGKPVSAVKPTVAPPLAEPGAGKGLRSEHREKMNRMRQRIQRLKEAQNTCAMLTTFNEIDM SNIQEMRARHKEAFLKKHNLKLGFMFAFVKASAFALQEQPVVNAVIDDTTKEVVYRDYIDISVAVA TPRGLVVPVIRNVEAMNFADIERTITELGEKARKNELAIEDMDGGTFTISNGGVFGSLFGTPIINPPQ SAILGMHGIFDRPVAIGGKVEVRPMYVALTYDHLRIDGREAVTFLRKIKAAVEDPRVLLDL
Host	Rabbit
Reactivity	Human
Interspecies Antigen Sequence	Mouse (91); Rat (93)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	No additive
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Tissue lysate)

DLST MaxPab rabbit polyclonal antibody. Western Blot analysis of DLST expression in human kidney.

[Protocol Download](#)

- Western Blot (Cell lysate)

DLST MaxPab rabbit polyclonal antibody. Western Blot analysis of DLST expression in HepG2.

[Protocol Download](#)

- Western Blot (Transfected lysate)

Western Blot analysis of DLST expression in transfected 293T cell line ([H00001743-T02](#)) by DLST MaxPab polyclonal antibody.

Lane 1: DLST transfected lysate(48.8 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Immunoprecipitation

Immunoprecipitation of DLST transfected lysate using anti-DLST MaxPab rabbit polyclonal antibody and Protein A Magnetic Bead, and immunoblotted with DLST purified MaxPab mouse polyclonal antibody (B01P) ([H00001743-B01P](#)).

[Protocol Download](#)

- Immunofluorescence

Immunofluorescence of purified MaxPab antibody to DLST on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — DLST

Entrez GeneID	1743
GeneBank Accession#	NM_001933.3
Protein Accession#	NP_001924.2
Gene Name	DLST
Gene Alias	DLTS
Gene Description	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex)
Omim ID	126063
Gene Ontology	Hyperlink
Other Designations	-

Publication Reference

- [Glutamine Anabolism Plays a Critical Role in Pancreatic Cancer by Coupling Carbon and Nitrogen Metabolism.](#)

Bott AJ, Shen J, Tonelli C, Zhan L, Sivaram N, Jiang YP, Yu X, Bhatt V, Chiles E, Zhong H, Maimouni S, Dai W, Velasquez S, Pan JA, Muthalagu N, Morton J, Anthony TG, Feng H, Lamers WH, Murphy DJ, Guo JY, Jin J, Crawford HC, Zhang L, White E, Lin RZ, Su X, Tuveson DA, Zong WX.

Cell Reports 2019 Oct; 29(5):1287.

Application: WB-Tr, Mouse, KPC cells

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of alkaloids derived from ornithine](#)
- [Biosynthesis of alkaloids derived from shikimate pathway](#)
- [Biosynthesis of alkaloids derived from terpenoid and polyketide](#)
- [Biosynthesis of phenylpropanoids](#)
- [Biosynthesis of plant hormones](#)
- [Biosynthesis of terpenoids and steroids](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Lysine degradation](#)
- [Metabolic pathways](#)

Disease

- [Alcoholism](#)
- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cognition Disorders](#)
- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)
- [Korsakoff Syndrome](#)

- [Metabolic Syndrome X](#)
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- [Tobacco Use Disorder](#)