

## DLST Antibody

Cat. No.:	HY-P81071
Synonyms:	DLST Antibody is an unconjugated, approximately 41 kDa, rabbit-derived, anti-DLST polyclonal antibody. DLST Antibody can be used for: WB, ELISA, IHC-P, IHC-F, ICC, IF, experiments in mouse and predicted: human, rat, dog, pig, cow, horse, rabbit, sheep background without labeling.
Host:	Rabbit
Reactivity:	Human, Mouse (predicted: Rat, Rabbit, Pig, Sheep, Cow, Dog, Horse)
Conjugation:	Non-conjugated
SwissProt ID:	P36957
Molecular Weight:	Predicted band size: 41 kDa

### PROPERTIES

Formulation	Supplied in 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.	
Purity	Affinity Purified	
Storage & Stability	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.	
Appearance	Liquid	
Application & Dilution Ratio	Application	Dilution Ratio
	WB	1:500-2000
	ELISA	1:5000-10000
	IHC-P	1:100-500
	IHC-F	1:100-500
	ICC	1:100-500
Shipping	Shipping with blue ice.	

### DESCRIPTION

Background	<p>The 2-oxoglutarate dehydrogenase complex catalyzes the overall conversion of 2-oxoglutarate to succinyl-CoA and CO<sub>2</sub>. The complex contains multiple copies of three enzymatic components: 2-oxoglutarate dehydrogenase (E1), dihydrolipoamide succinyltransferase (E2) and lipoamide dehydrogenase (E3). DLST (dihydrolipoalysine-residue succinyltransferase component of 2-oxoglutarate dehydrogenase complex, mitochondrial), also known as DLTS or 2-oxoglutarate dehydrogenase complex component E2, is a 453 amino acid protein belonging to the 2-oxoacid dehydrogenase family. DLST covalently binds one lipoyl cofactor and participates in L-lysine degradation via the saccharopine pathway. Localized to the mitochondrion, DLST forms a 24-polypeptide structural core with octahedral symmetry. The gene encoding DLST maps to human chromosome 14q24.3 and mouse chromosome 12 D2.</p>
------------	--

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA