

Mouse anti-Human DBT Monoclonal Antibody | anti-DBT antibody

DBT mAb

CATALOG # AAA62432	HOST Mouse	REACTIVITY Human	APPLICATIONS Flow Cytometry, Functional Assay, Immunoprecipitation, Western Blot
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PRODUCT SYNONYMS

DBT; Monoclonal Antibody; DBT mAb; DBT Mouse mAb; anti-DBT antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG
Sequence Length	306
Applicable Applications for anti-DBT antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), WB (Western Blot)
Source Note	This monoclonal antibody is produced by immunizing mice with a sythetic peptide(KLH coupled)corresponding to amino-terminal residues of human DBT.
Product Advantage	Mass spectrum approved.
Preparation and Storage	Store at -20 degree C. Stable for one year from the date of shipment.

IMAGES



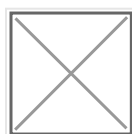
FCM/FACS (Flow Cytometry)

Flow cytometric analysis of 2% paraformaldehyde-fixed PC9 cells labeling DBT with M25355 at 1/200 dilution (blue) compared with a mouse monoclonal IgG isotype control (green). Goat anti-mouse IgG (FITC) at 1/300 dilution was used as the secondary antibody.



IP (Immunoprecipitation)

DBT was immunoprecipitated from 1mg of PC9 cells membrane fraction, blotted with M25355 of 10 ug. Western blot was performed from the immunoprecipitate using M25355 at 1/1000 dilution. Anti-Mouse-IgG(HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/10000 dilution. Lane 1: PC9 cells membrane fraction. Lane2: IP product of PC9 cells membrane fraction.Blocking and dilution buffer and concentration:5% milk/TBST.



WB (Western Blot)

All Lanes: DBT Mouse mAb at 1/1000 dilutionLane 1: PC9 cells membrane fractionLane 2: 1G2 cells membrane fractionLysates/proteins at 20ug per laneSecondary: Goat anti-mouse IgG-HRP, 5% milk conjugated 1/10000 dilutionPredicted band size: 54kDaObserved band size: 54kDaBlocking/Dilution buffer: 1xTBST

ADDITIONAL INFORMATION

Related Product Information for anti-DBT antibody	The branched-chain alpha-keto acid dehydrogenase complex (BCKD) is an inner-mitochondrial enzyme complex involved in the breakdown of the branched-chain amino acids isoleucine, leucine, and valine. The BCKD complex is thought to be composed of a core of 24 transacylase (E2) subunits, and associated decarboxylase (E1), dehydrogenase (E3), and regulatory subunits. This gene encodes the transacylase (E2) subunit. Mutations in this gene result in maple syrup urine disease, type 2. Alternatively spliced transcript variants have been described, but their biological validity has not been determined.
Product Categories/Family for anti-DBT antibody	Membrane; Lung Cancer

NCBI AND UNIPROT INFORMATION

NCBI GI #	1494121569
Molecular Weight	Predicted MW: 54kDa
NCBI Official Full Name	DBT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/dbt-antibody-flow-cytometry-immunoprecipitation-western-blot-elisa/62432>