

Rabbit TRP2/DCT Polyclonal Antibody | anti-DCT antibody

Anti-TRP2/DCT Antibody Picoband

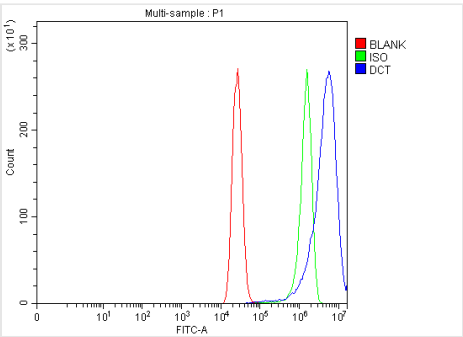
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126180	Rabbit	Human, Mouse, Rat	Western Blot, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

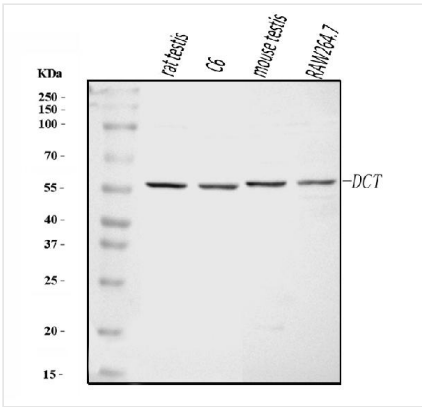
TRP2/DCT; Polyclonal Antibody; Anti-TRP2/DCT Antibody Picoband; anti-DCT antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Mouse Ccl25
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-DCT antibody	WB (Western Blot), FCM/FACS (Flow Cytometry), ELISA
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of MCF-7 cells using anti-TRP2/DCT antibody (AAA126180). Overlay histogram showing MCF-7 cells stained with AAA126180 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRP2/DCT Antibody (AAA126180, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of TRP2/DCT using anti-TRP2/DCT antibody (AAA126180). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: rat testis tissue lysates, Lane 2: rat C6 whole cell lysates, Lane 3: mouse testis tissue lysates, Lane 4: mouse RAW264.7 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-TRP2/DCT antigen affinity purified polyclonal antibody (#AAA126180) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for TRP2/DCT at approximately 59 kDa. The expected band size for TRP2/DCT is at 59 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-DCT antibody	Background: Chemokine (C-C motif) ligand 25 (CCL25) is a small cytokine belonging to the CC chemokine family that is also known as TECK (Thymus-Expressed Chemokine). The mouse Teck gene was mapped to chromosome 8 and human Teck gene was to 19p13.2. CCL25 is believed to play a role in the development of T-cells. It is chemotactic for thymocytes, macrophages, and dendritic cells. CCL25 elicits its effects by binding to the chemokine receptor CCR9.
	Principle of the Assay: The Quick Picokine™ Mouse Ccl25 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Ccl25 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Mouse Ccl25 with immunogen: Expression system for standard: E.coli; Immunogen sequence: Q24-N144. To measure Mouse Ccl25, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Mouse Ccl25 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Ccl25 in the sample.
Product Categories/Family for anti-DCT antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	193788640
NCBI GeneID	1638
NCBI Accession #	NP_001123361.1
NCBI GenBank Nucleotide #	NM_001129889.1

UniProt Accession #	P40126; Q09GT4
Molecular Weight	59,145 Da
NCBI Official Full Name	L-dopachrome tautomerase isoform 2
NCBI Official Synonym Full Names	dopachrome tautomerase
NCBI Official Symbol	DCT
NCBI Official Synonym Symbols	TRP-2; TYRP2
NCBI Protein Information	L-dopachrome tautomerase; DT; TRP2; dopachrome delta-isomerase; tyrosine-related protein 2; L-dopachrome Delta-isomerase; tyrosinase-related protein 2; dopachrome tautomerase (dopachrome delta-isomerase, tyrosine-related protein 2)
UniProt Protein Name	L-dopachrome tautomerase
UniProt Gene Name	DCT
UniProt Synonym Gene Names	TYRP2; DCT; DT; TRP-2; TRP2
UniProt Entry Name	TYRP2_HUMAN

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/polyclonal/trp2-dct-antibody-western-blot-flow-cytometry-elisa/126180>