

Certificate of Analysis

Product Name: Polyclonal Anti-human peroxidase homolog isoform X1 Antibody

Catalog Number: DZ33984

Description

Lot No.	19DZ157K04
Size	200µl/vial
Form	Liquid
Concentration	500µg/ml
Ig type	Rabbit IgG
Purification	Immunogen affinity purified.
Species	Reacts with: human
Contents	Each vial contains 20mM PBS, 50% glycerol, 0.02% NaN ₃ .

Application

	Concentration	Tested Species
Western blot	0.5µg/ml	Hu
Immunohistochemistry (Paraffin-embedded Section)	1µg/ml	Hu

Other applications have not been tested.

Optimal dilutions should be determined by end users.

Storage

At -20°C for one year, at 4°C for one month. Avoid repeated freezing and thawing.

Data of Indirect ELISA

Coating concentration of antigen	0.1µg/ml	0.1µg/ml	0.1µg/ml	0.1µg/ml
Working concentration of anti-human peroxidase homolog isoform X1 antibody	1µg/ml	0.1µg/ml	0.01µg/ml	0.001µg/ml
Working concentration of HRP conjugated goat anti-rabbit IgG (Catalog # BA1054)	0.2µg/ml	0.2µg/ml	0.2µg/ml	0.2µg/ml
O.D. values(450nm)	2.714	2.635	2.172	0.334
Antibody Status	Pass			

Data Evaluation Criteria

Coating concentration of antigen	0.1µg/ml	0.1µg/ml
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Working concentration of the primary antibody	1µg/ml	1µg/ml
Working concentration of HRP conjugated goat anti-rabbit IgG	0.2µg/ml	0.2µg/ml
O.D. values (450nm)	≥ 1.0	<1.0
Antibody's affinity for the antigen	Strong	Weak
Antibody Status	Pass	Fail

Image

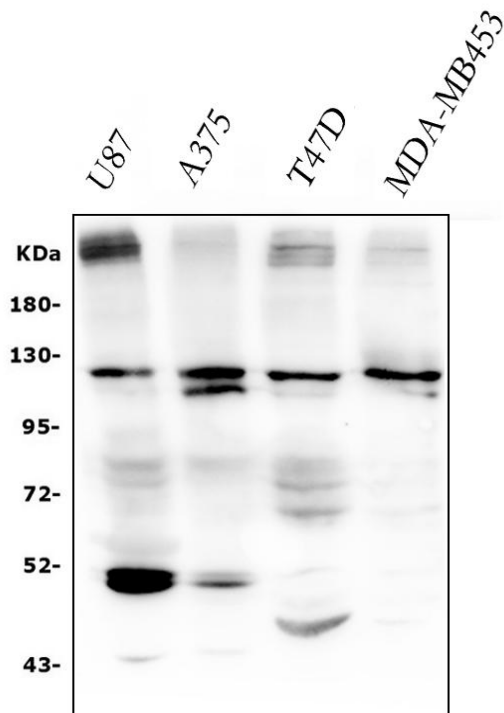


Figure 1. Western blot analysis of Peroxidase homolog isoform X1 using anti-Peroxidase homolog isoform X1 antibody (DZ33984).

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 50µg of sample under reducing conditions.

Lane 1: human U87 whole cell lysates

Lane 2: human A375 whole cell lysates

Lane 3: human T47D whole cell lysates

Lane 4: human MDA-MB-453 whole cell lysates

After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-Peroxidase homolog isoform X1 antigen affinity purified polyclonal antibody (Catalog # DZ33984) at 0.5 µg/mL overnight at 4°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 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system.

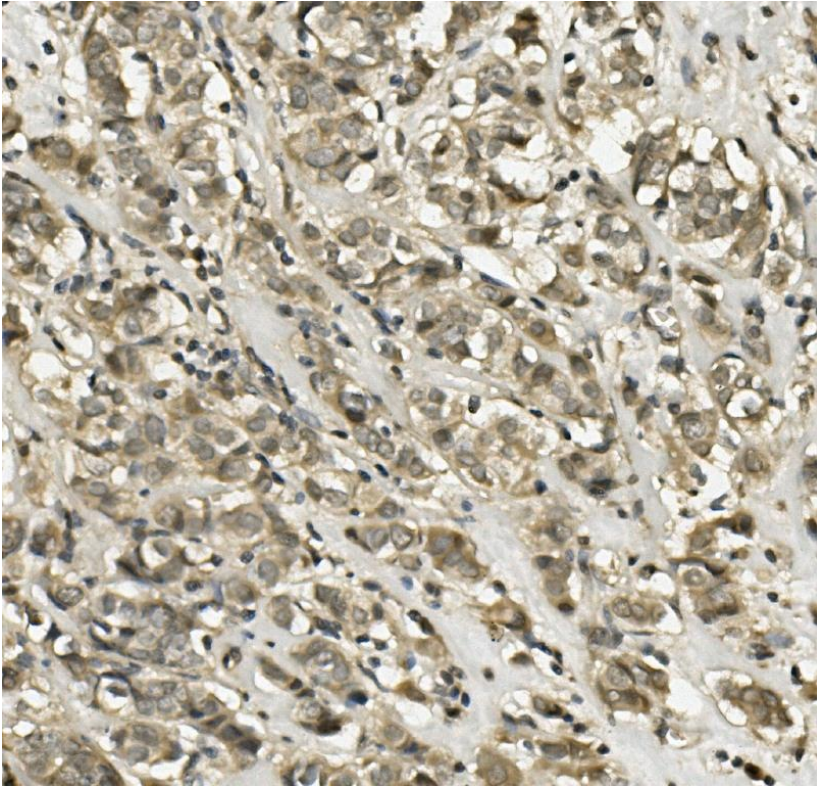


Figure 2. IHC analysis of Peroxidasin homolog isoform X1 using anti-Peroxidasin homolog isoform X1 antibody (DZ33984).

Peroxidasin homolog isoform X1 was detected in paraffin-embedded section of human rectal cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1 μ g/ml rabbit anti-Peroxidasin homolog isoform X1 Antibody (DZ33984) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB as the chromogen.

Approved by:

Ms. Xiaoyan Chen
Chief technician
Quality Control System of Antibody
Date: November 4, 2019