

TROP-2 Rabbit mAb

Catalog No.: A20824 **Recombinant** **1 Publications**

Basic Information

Observed MW

40-65kDa

Calculated MW

36kDa

Category

Primary antibody

Applications

WB,IF-P,IHC-P,mIHC,ELISA

Cross-Reactivity

Human

CloneNo number

ARC51513

Background

This intronless gene encodes a carcinoma-associated antigen. This antigen is a cell surface receptor that transduces calcium signals. Mutations of this gene have been associated with gelatinous drop-like corneal dystrophy.

Recommended Dilutions

WB 1:3000 - 1:9000

IF-P 1:200 - 1:400

IHC-P 1:3000 - 1:12000

mIHC 1:3000 - 1:12000

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

4070

Swiss Prot

P09758

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

EGP1; GP50; M1S1; EGP-1; TROP2; GA7331; GA733-1; TROP-2

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

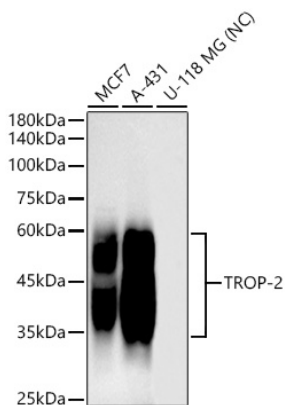
Affinity purification

Storage

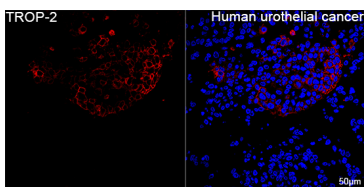
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.

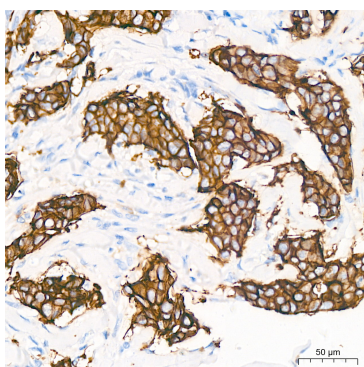
Validation Data



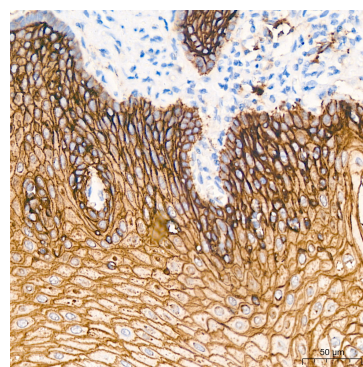
Western blot analysis of various lysates using TROP-2 Rabbit mAb (A20824) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 60s.



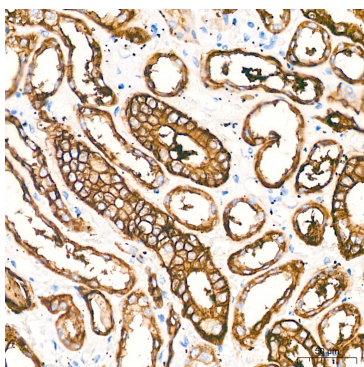
Confocal imaging of paraffin-embedded Human urothelial cancer tissue using TROP-2 Rabbit mAb (A20824, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining. Objective: 40x.



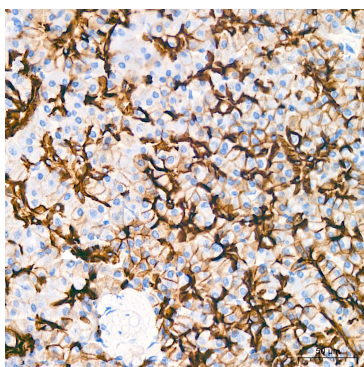
Immunohistochemistry analysis of paraffin-embedded Human breast cancer tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



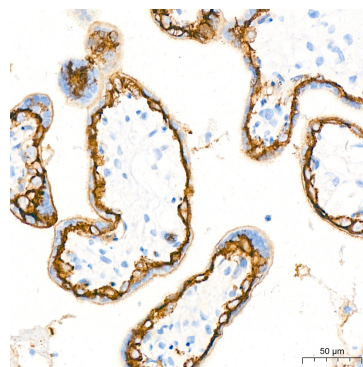
Immunohistochemistry analysis of paraffin-embedded Human esophageal tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

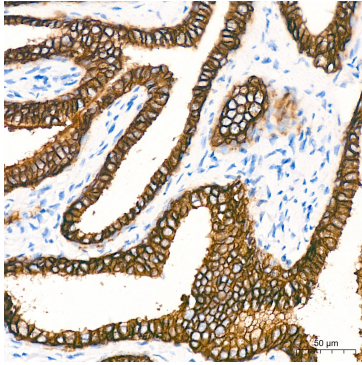


Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

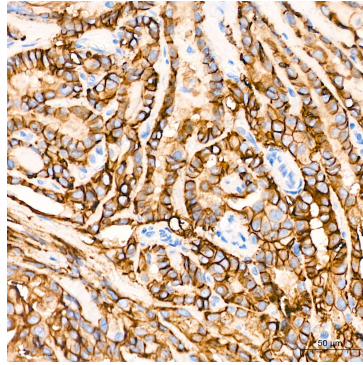


Immunohistochemistry analysis of paraffin-embedded Human placenta tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.

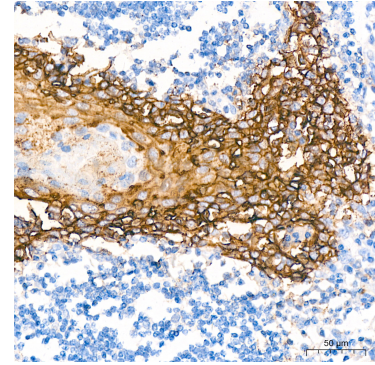
Validation Data



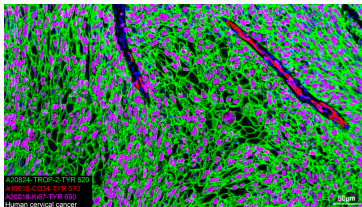
Immunohistochemistry analysis of paraffin-embedded Human prostate cancer tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



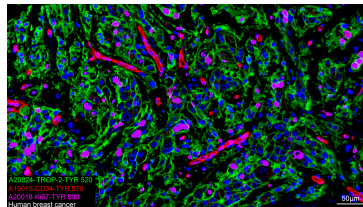
Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Human tonsil tissue using TROP-2 Rabbit mAb (A20824) at a dilution of 1:8000 (40x lens). High pressure antigen retrieval performed with 0.01M Citrate buffer (pH 6.0) prior to IHC staining.



The multiplex IHC analysis on paraffin-embedded Human cervical cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : TROP-2 Rabbit mAb (A20824, 1:8000) with TSA-TYR-520 (Green), CD34 Rabbit mAb (A19015, 1:100) with TSA-TYR-570 (Red), and Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.



The multiplex IHC analysis on paraffin-embedded Human breast cancer tissue using the following specific primary antibodies and tyramide signal amplification (TSA) reagents (RK05903) : TROP-2 Rabbit mAb (A20824, 1:8000) with TSA-TYR-520 (Green), CD34 Rabbit mAb (A19015, 1:100) with TSA-TYR-570 (Red), and Ki67 Rabbit mAb (A20018, 1:500) with TSA-TYR-690 (Magenta). DAPI (Blue) was used for nuclear staining. Prior to multiplex IHC staining, high-pressure antigen retrieval was performed using 0.01M citrate buffer at pH 6.0. The analysis was completed using a 20x objective lens.