PTBP2 Monoclonal Antibody
CAB9124

Description

This PTBP2 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

Product Information

SKU:	CAB9124
Contents:	20 µL, 100 µL
	Bradford Reagent: 1 vial (2ml)
Category:	Monoclonal Antibody
Synonyms:	nPTB, PTBLP, brPTB, PTBP2
Clone:	ARC1798
Applications:	WB IHC-P IF/ICC IP ELISA IF-P
Conjugation:	Unconjugated
Reactivity:	Human, Mouse, Rat

Antibody Data

Gene ID:	58155
Uniprot:	AB_2863660
Host Species:	Rabbit
Purification:	Affinity purification
Observed MW:	57kDa
Calculated MW:	57kDa

Preparation & Storage

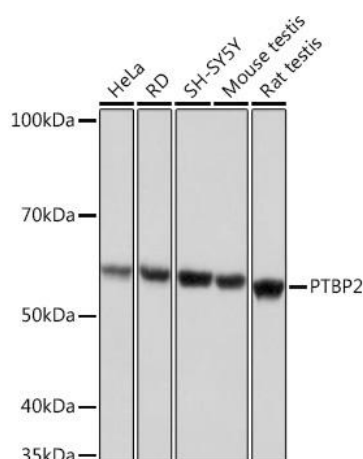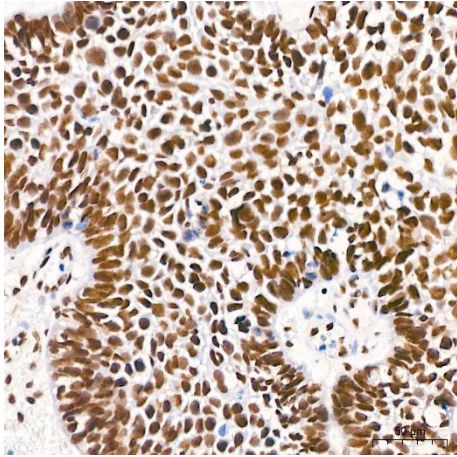|	
Storage:	Store at -20℃. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3. Store Bradford Reagent at Room Temperature for 1 Year.
Positive Sample:	HeLa, RD, SH-SY5Y, Mouse testis, Rat testis

Recommended Dilutions:

WB	1:1000 - 1:6000
IP	0.5µg-4µg antibody for 200µg-400µg extracts of whole cells
IF/ICC	1:200 - 1:2000
IF-P	1:200 - 1:2000
IHC-P	1:400 - 1:4000
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

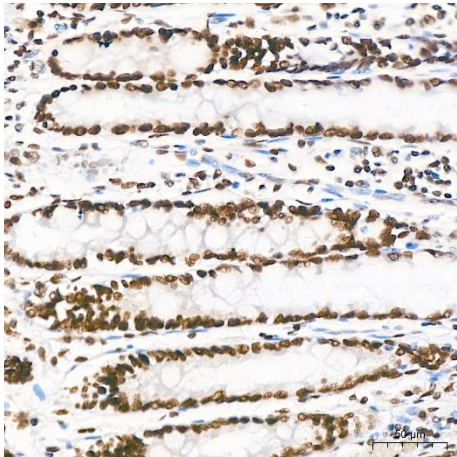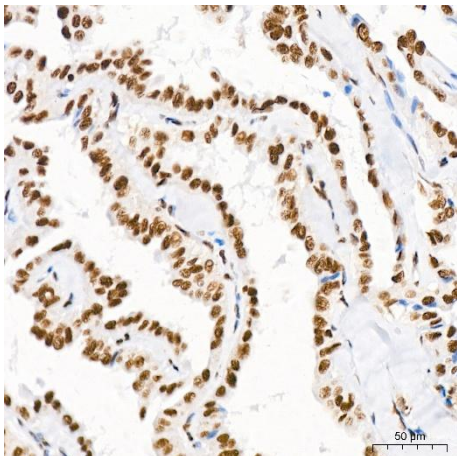|	
Protein Quantification (Optional):	To quantify total protein levels, use the Bradford Reagent included in this kit. Visit https://www.assaygenie.com/bradford-protein-assay-protocol/ to view the full protocol

Validation Data

Western blot analysis of various lysates using PTBP2 Rabbit mAb (CAB9124) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 1s.
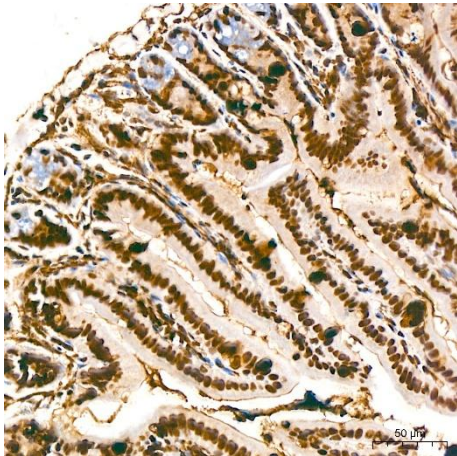
Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
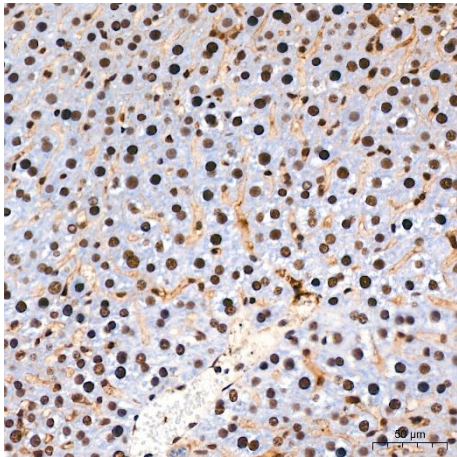

Immunohistochemistry analysis of paraffin-embedded Human colon tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
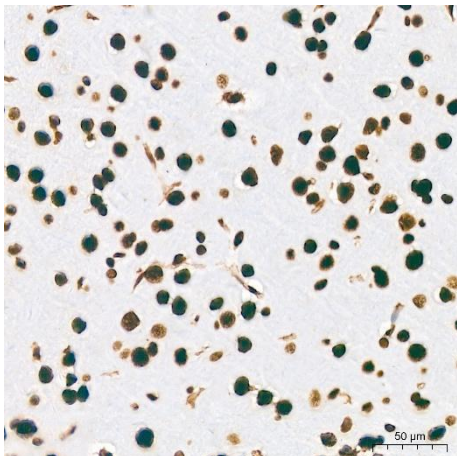

Immunohistochemistry analysis of paraffin-embedded Human thyroid cancer tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Mouse intestin tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
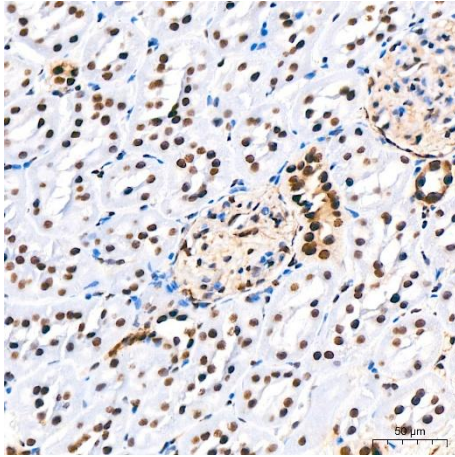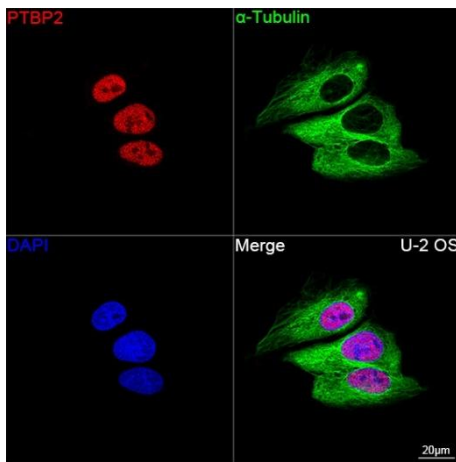

Immunohistochemistry analysis of paraffin-embedded Mouse liver tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Immunohistochemistry analysis of paraffin-embedded Rat brain tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.
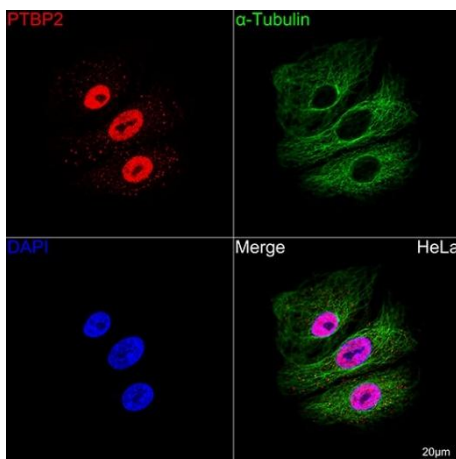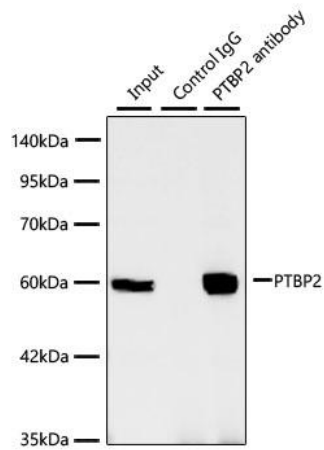
Immunohistochemistry analysis of paraffin-embedded Rat kidney tissue using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:800 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.

Confocal imaging of U-2 OS cells using PTBP2 Rabbit mAb (CAB9124, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Confocal imaging of cells using PTBP2 Rabbit mAb (CAB9124, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.

Immunoprecipitation of PTBP2 from 300 μg extracts of SH-SY5Y cells was performed using 3 μg of PTBP2 Rabbit mAb (CAB9124). Rabbit Control IgG (CABC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1X Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using PTBP2 Rabbit mAb (CAB9124) at a dilution of 1:1000.