

**phospho-CK18 (Ser52) Rabbit pAb**  
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Catalog # AP94757

## Specification

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### phospho-CK18 (Ser52) Rabbit pAb - Product Information

Application	IHC-P, WB
Primary Accession	<a href="#">P05784</a>
Reactivity	Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47538

### phospho-CK18 (Ser52) Rabbit pAb - Additional Information

**Gene ID** 16668

#### Other Names

Keratin, type I cytoskeletal 18, Cytokeratin endo B, Keratin D, Cytokeratin-18, CK-18, Keratin-18, K18, Krt18, Kerd, Krt1-18

#### Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

#### Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

### phospho-CK18 (Ser52) Rabbit pAb - Protein Information

**Name** Krt18

**Synonyms** Kerd, Krt1-18

#### Function

When phosphorylated, plays a role in filament reorganization. Involved in the delivery of mutated CFTR to the plasma membrane. Involved in the uptake of thrombin-antithrombin complexes by hepatic cells (By similarity). Together with KRT8, is involved in interleukin-6 (IL-6)-mediated barrier protection.

#### Cellular Location

Nucleus matrix {ECO:0000250|UniProtKB:Q5BJY9}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:P05783}. Nucleus, nucleolus {ECO:0000250|UniProtKB:P05783}. Cytoplasm {ECO:0000250|UniProtKB:Q5BJY9}

#### Tissue Location

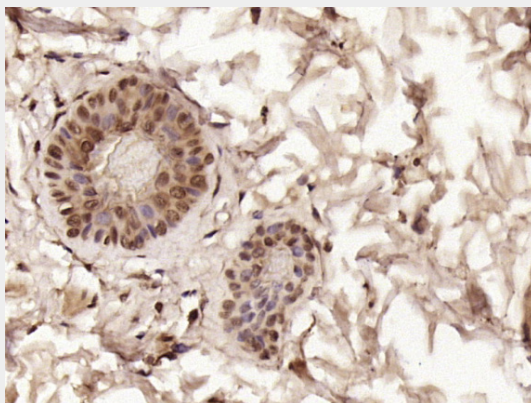
Expressed in endoderm, intestinal epithelial cells and in most extraembryonic tissues.

## phospho-CK18 (Ser52) Rabbit pAb - Protocols

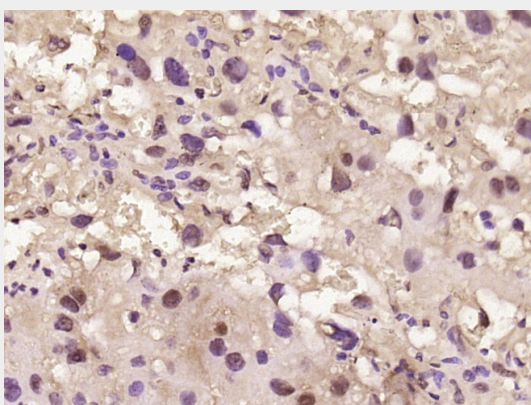
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

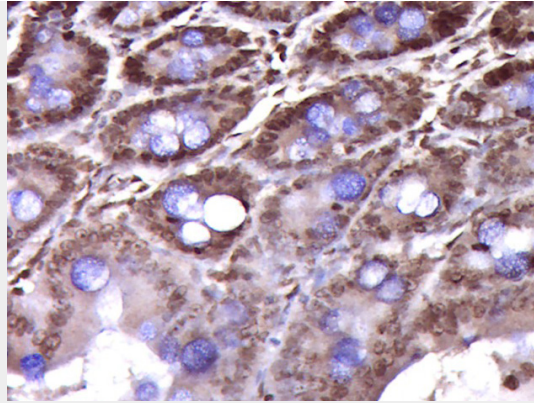
## phospho-CK18 (Ser52) Rabbit pAb - Images



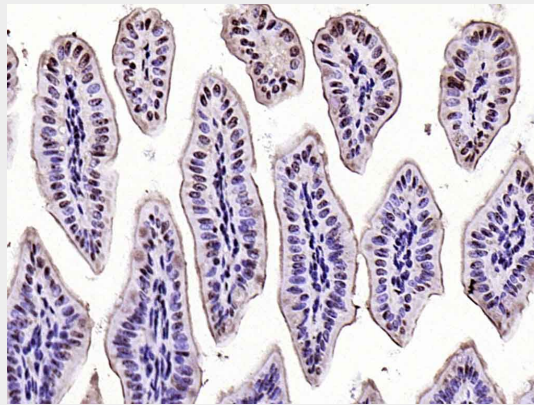
Paraformaldehyde-fixed, paraffin embedded (Rat skin); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-CK18(Ser52)) Polyclonal Antibody, Unconjugated (AP94757) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



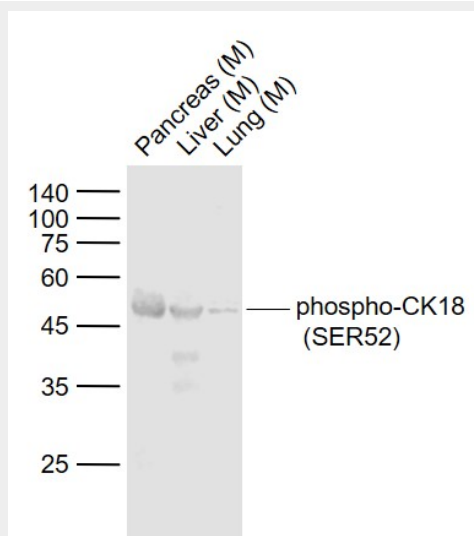
Paraformaldehyde-fixed, paraffin embedded (Mouse placenta); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-CK18(Ser52)) Polyclonal Antibody, Unconjugated (AP94757) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



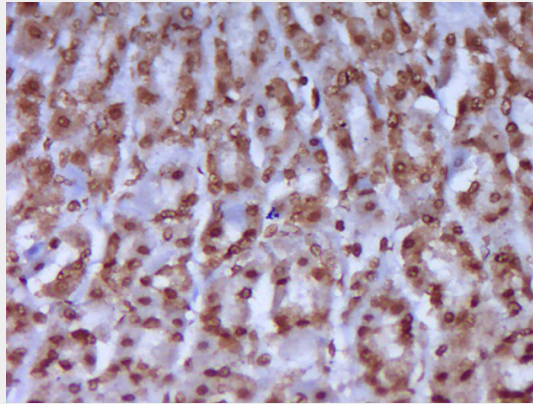
Paraformaldehyde-fixed, paraffin embedded (Rat colon); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-CK18(Ser52)) Polyclonal Antibody, Unconjugated (AP94757) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse small intestine); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (phospho-CK18 (Ser52)) Polyclonal Antibody, Unconjugated (AP94757 ) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Sample: Lane 1: Pancreas (Mouse) Lysate at 40 ug Lane 2: Liver (Mouse) Lysate at 40 ug Lane 3: Lung (Mouse) Lysate at 40 ug Primary: Anti- phospho-CK18 (SER52) (AP94757) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 48 kD Observed band size: 48 kD



Paraformaldehyde-fixed, paraffin embedded (Rat stomach); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (p-CK18(Ser52)) Polyclonal Antibody, Unconjugated (AP94757) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

#### **phospho-CK18 (Ser52) Rabbit pAb - Background**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.