

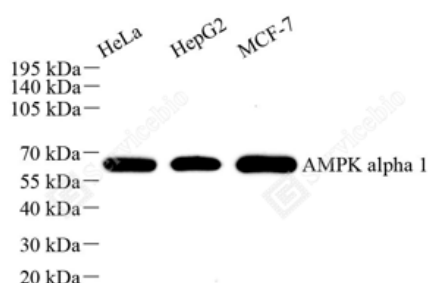


Product name:	Anti-AMPK alpha 1 antibody (Rabbit mAb)
Cat number:	ABS150024
Conjugate:	unconjugated
Host:	Rabbit
Size:	100 µL
Synonyms:	None
Concentration:	1mg/ml
Isotype:	IgG, κ
Immunogen:	Recombinant protein corresponding to Human AMPK alpha 1
Reactivity:	Human, Mouse, Rat
Applications:	Western Blot:1: 1000-1:2000 Immunohistochemistry (paraffin emebbed tissues) 1:500 - Immunofluorescence 1:300
Molecular Weight:	64 kDa
Purification:	Affinity purification
Background:	The mammalian 5-prime-AMP-activated protein kinase (AMPK) appears to play a role in protecting cells from stresses that cause ATP depletion by switching off ATP-consuming biosynthetic pathways. PRKAA1 is also named as AMPK1, ACACA kinase, HMGCR kinase. It is a mammalian homologue of sucrose non-fermenting protein kinase (SNF-1), which belongs to a serine/threonine protein kinase family. It has 2 isoforms with molecular mass of 63-66 kDa produced by alternative splicing.
Form:	Liquid
Buffer:	PBS with 0.15% ProClin300, 100 µg/mL BSA and 50% glycerol.
Storage:	Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Subcategory name:	Primary Antibodies

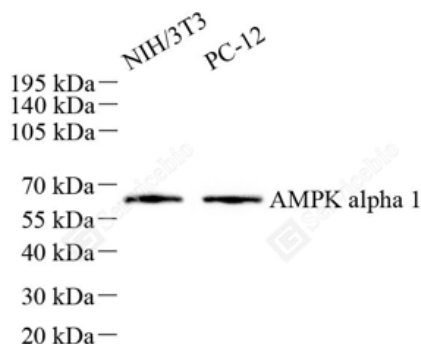
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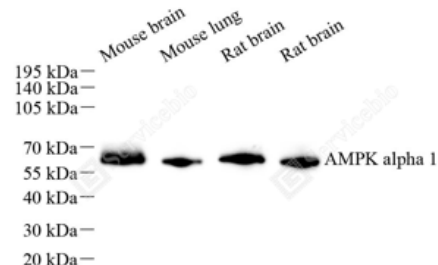
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



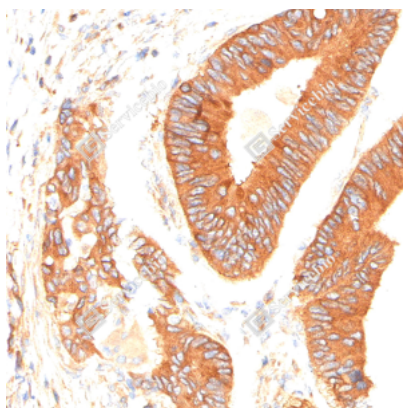
WB analysis of AMPK alpha 1. Sample: Protein treated by RIPA Lysis Buffer . Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG , 1: 3000, RT, 1h.



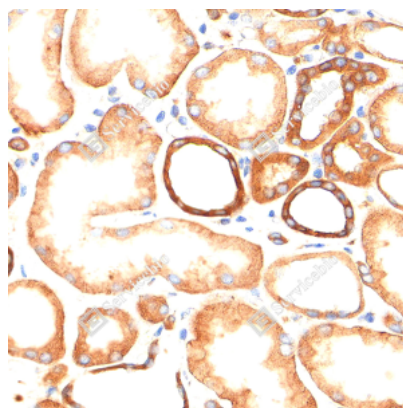
WB analysis of AMPK alpha 1. Sample: Protein treated by RIPA Lysis Buffer . Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG , 1: 3000, RT, 1h.



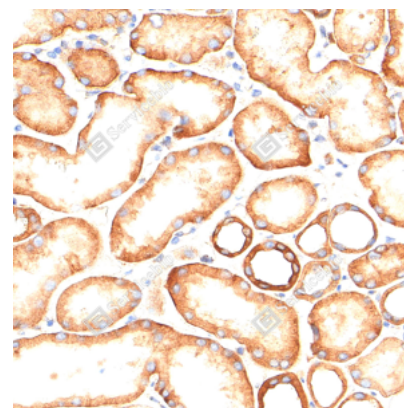
WB analysis of AMPK alpha 1. Sample: Protein treated by RIPA Lysis Buffer . Blocking buffer: 3% Nonfat dry milk in TBST, RT, 1h. Primary antibody: 1: 1500, 4°C overnight. Secondary antibody: HRP conjugated Goat Anti-Rabbit IgG , 1: 3000, RT, 1h.



IHC analysis of AMPK alpha 1. Sample: Human colon cancer, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.

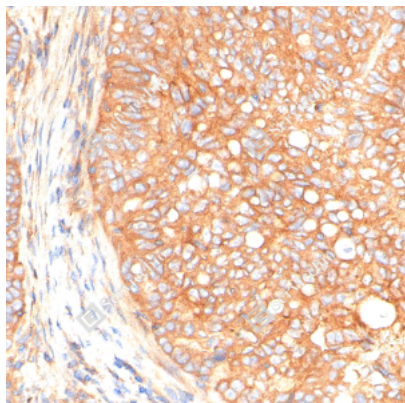


IHC analysis of AMPK alpha 1. Sample: Human kidney, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.

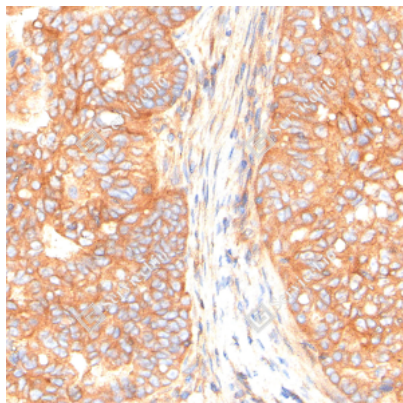


IHC analysis of AMPK alpha 1. Sample: Human kidney, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.

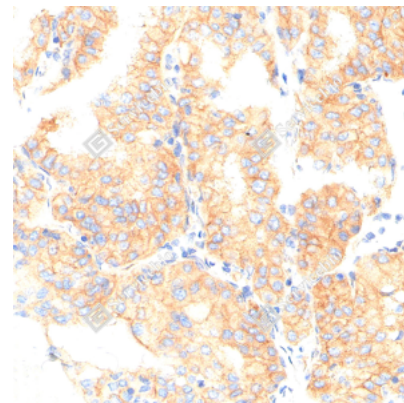
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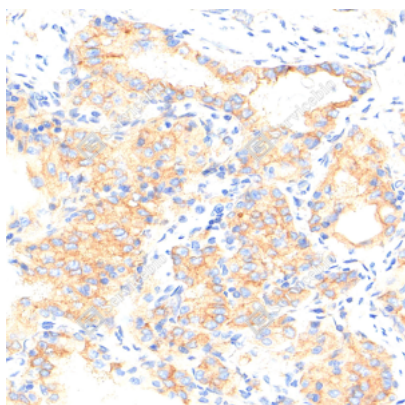
IHC analysis of AMPK alpha 1. Sample: Human ovarian cancer, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.



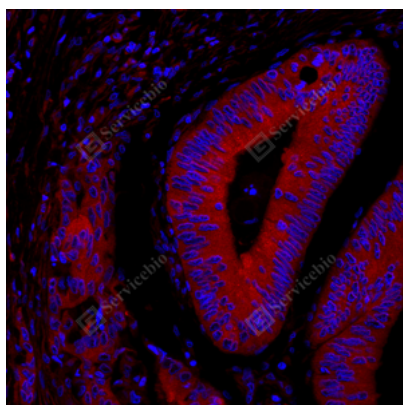
IHC analysis of AMPK alpha 1. Sample: Human ovarian cancer, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.



IHC analysis of AMPK alpha 1. Sample: Human renal carcinoma, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.



IHC analysis of AMPK alpha 1. Sample: Human renal carcinoma, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: S-vision poly-HRP conjugated Goat Anti-Rabbit IgG , Ready to use, RT, 20min.

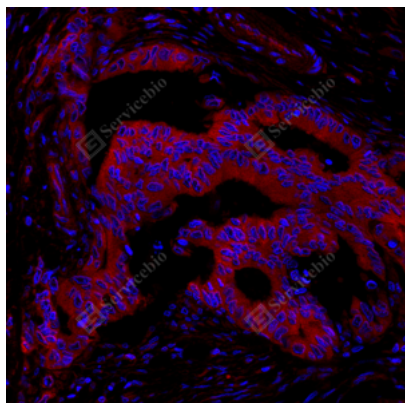


IF analysis of AMPK alpha 1red. Sample: Human colon cancer, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Blocking buffer: 3% BSA in PBS, RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG , 1: 300, RT, 1h.

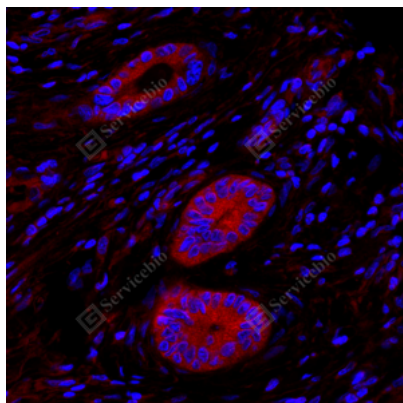


IF analysis of AMPK alpha 1red. Sample: Human colon cancer, 4% PFA 12-24h. Antigen retrieval: TE buffer , 98°C, 20min. Blocking buffer: 3% BSA in PBS, RT, 30min. Primary antibody: 1: 500, 4°C overnight. Secondary antibody: Cy3 conjugated Goat Anti-Rabbit IgG , 1: 300, RT, 1h.

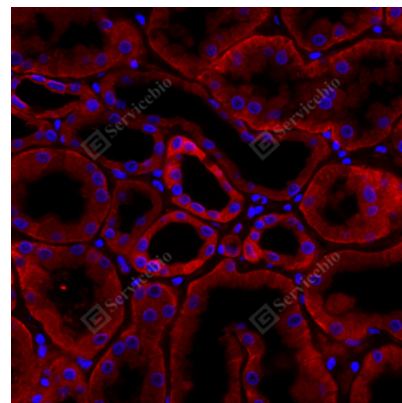
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IF analysis of AMPK alpha 1red.
Sample: Human colon cancer, 4% PFA
12-24h. Antigen retrieval: TE buffer ,
98°C, 20min. Blocking buffer: 3% BSA
in PBS, RT, 30min. Primary antibody: 1:
500, 4°C overnight. Secondary
antibody: Cy3 conjugated Goat
Anti-Rabbit IgG , 1: 300, RT, 1h.

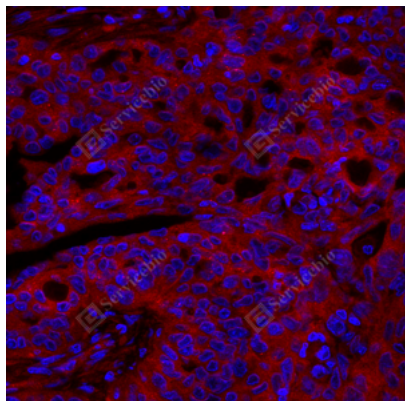


IF analysis of AMPK alpha 1red.
Sample: Human gastric carcinoma, 4%
PFA 12-24h. Antigen retrieval: TE
buffer , 98°C, 20min. Blocking buffer:
3% BSA in PBS, RT, 30min. Primary
antibody: 1: 500, 4°C overnight.
Secondary antibody: Cy3 conjugated
Goat Anti-Rabbit IgG , 1: 300, RT, 1h.

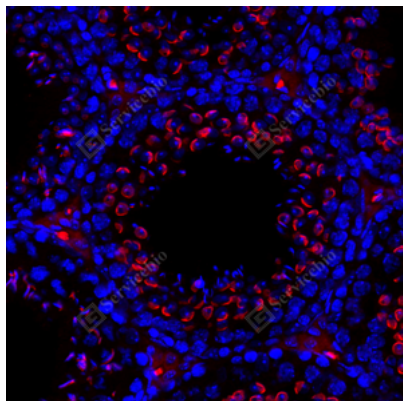


IF analysis of AMPK alpha 1red.
Sample: Human kidney, 4% PFA
12-24h. Antigen retrieval: TE buffer ,
98°C, 20min. Blocking buffer: 3% BSA
in PBS, RT, 30min. Primary antibody: 1:
500, 4°C overnight. Secondary
antibody: Cy3 conjugated Goat
Anti-Rabbit IgG , 1: 300, RT, 1h.

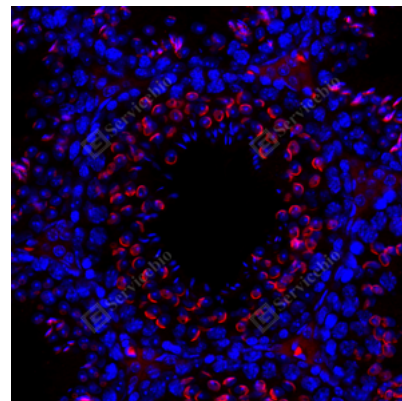
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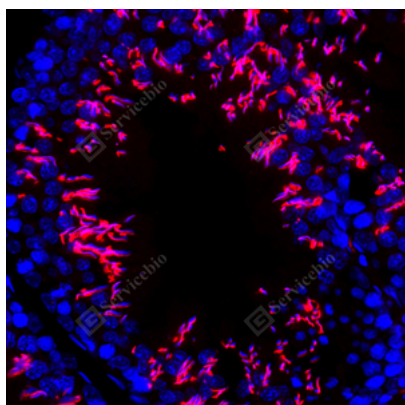
IF analysis of AMPK alpha 1red.
Sample: Human ovarian cancer, 4%
PFA 12-24h. Antigen retrieval: TE
buffer , 98°C, 20min. Blocking buffer:
3% BSA in PBS, RT, 30min. Primary
antibody: 1: 500, 4°C overnight.
Secondary antibody: Cy3 conjugated
Goat Anti-Rabbit IgG , 1: 300, RT, 1h.



IF analysis of AMPK alpha 1red.
Sample: Mouse testis, 4% PFA 12-24h.
Antigen retrieval: TE buffer , 98°C,
20min. Blocking buffer: 3% BSA in PBS,
RT, 30min. Primary antibody: 1: 500,
4°C overnight. Secondary antibody: Cy3
conjugated Goat Anti-Rabbit IgG , 1:
300, RT, 1h.



IF analysis of AMPK alpha 1red.
Sample: Mouse testis, 4% PFA 12-24h.
Antigen retrieval: TE buffer , 98°C,
20min. Blocking buffer: 3% BSA in PBS,
RT, 30min. Primary antibody: 1: 500,
4°C overnight. Secondary antibody: Cy3
conjugated Goat Anti-Rabbit IgG , 1:
300, RT, 1h.



IF analysis of AMPK alpha 1red.
Sample: Rat testis, 4% PFA 12-24h.
Antigen retrieval: TE buffer , 98°C,
20min. Blocking buffer: 3% BSA in PBS,
RT, 30min. Primary antibody: 1: 500,
4°C overnight. Secondary antibody: Cy3
conjugated Goat Anti-Rabbit IgG , 1:
300, RT, 1h.

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