

Anti-PRKAA2 antibody (270-552) (STJ115987)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

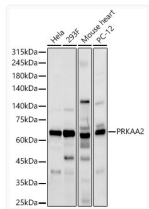
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.05% Proclin300, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 62kDa Observed Mw: 62kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

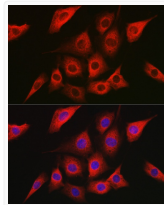
Gene ID	5563
Gene Symbol	PRKAA2
UniProt ID	AAPK2_HUMAN
Immunogen Region	270-552
Immunogen Sequence	QDLPSYLFPEPDSYDANVID DEAVKEVCEKFECTESEVMN SLYSGDPQDQLAVAYHLIID NRRIMNQASEFYLA
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 270-343 of human AMPK Alpha 2 (NP_006243.2).

ADDITIONAL INFORMATION

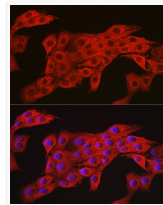
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



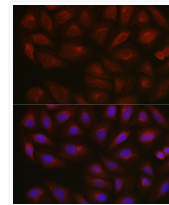
Western blot analysis of various lysates, using PRKAA2 antibody (STJ115987) at 1:900 dilution. Secondary antibody: HRP Goat Anti-rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% non-fat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



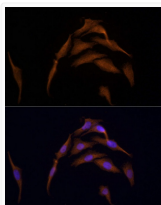
Immunofluorescence analysis of NIH/3T3 cells using AMPK Alpha 2 rabbit polyclonal antibody (STJ115987) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



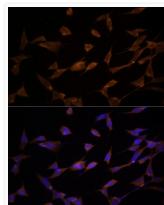
Immunofluorescence analysis of PC-12 cells using AMPK Alpha 2 rabbit polyclonal antibody (STJ115987) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of U2OS cells using AMPK Alpha 2 rabbit polyclonal antibody (STJ115987) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of HeLa using AMPK Alpha 2 antibody (STJ115987) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Immunofluorescence analysis of NIH/3T3 using AMPK Alpha 2 antibody (STJ115987) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.