

Anti-PRKAR2A antibody (1-404) (STJ25123)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

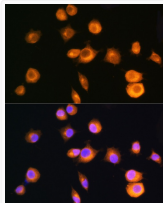
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:2000 IF/CC:1:50-1:200 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 46kDa Observed Mw: 46kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

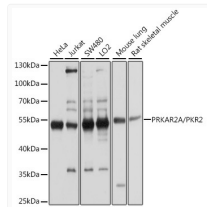
Gene ID	5576
Gene Symbol	PRKAR2A
UniProt ID	KAP2_HUMAN
Immunogen Region	1-404
Immunogen Sequence	MSHIQIPPGLTELLQGYTVE VLRQPPDLVEFAVEYFTRL REARAPASVLPAAATPRQSLG HPPPEPGPDRVADAKGDSSES EEDEDLVEVPVPSRFNRRVSV CAETYNPDEEEEDTDPRIH PKTDEQRCRLQEACKDILLF KNLDAQELSQLDAMFERIV KADEHVIDQGDDGDNFYVIE RGTYDILVTKDQNTSRVQGY DNRGSFGLALMYNTPRAAT IVATSEGSLWGLDRVTFRR
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 1-404 of human PKA RII Alpha (PRKAR2A) /PKR2 (NP_004148.1).

ADDITIONAL INFORMATION

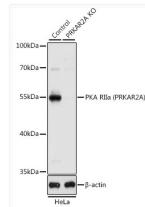
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



Immunofluorescence analysis of L929 cells using [KO Validated] PKA RII Alpha (PRKAR2A) /PKR2 Rabbit polyclonal antibody (STJ25123) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western blot analysis of extracts of various cell lines, using PKA RII Alpha (PRKAR2A) /PKR2 antibody (STJ25123) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.



Western blot analysis of extracts from normal (control) and PKA RII Alpha (PRKAR2A) /PKR2 knockout (KO) HeLa cells, using PKA RII Alpha (PRKAR2A) /PKR2 antibody (STJ25123) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 5s.