

Anti-CHEK1 antibody (148-307) (STJ29967)

GENERAL INFORMATION

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

PRODUCT PROPERTIES

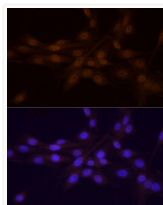
Clonality	Polyclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:500-1:1000 IHC-P:1:50-1:200 IF/ICC:1:50-1:200 ELISA:Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.09% Sodium Azide, 50% Glycerol, pH7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 54kDa Observed Mw: 56kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

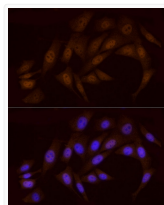
Gene ID	1111
Gene Symbol	CHEK1
UniProt ID	CHK1_HUMAN
Immunogen Region	148-307
Immunogen Sequence	DFGLATVFRYNNRERLLNKM CGTLPYVAPELLKRREFHAE PVDVWSCGIVLTAMLAGELP WDQPSDSCQEYSDWKEKKTY LNPWKIDSAPLALLHKILV ENPSARITIPDIKKDRWYNK PLKKGAKRPRVTSGGVSESP SGFSKHIQSNLDFSPVNSAS
Specificity	Recombinant fusion protein containing a sequence corresponding to amino acids 148-307 of Chk1 (NP_001265.2).

ADDITIONAL INFORMATION

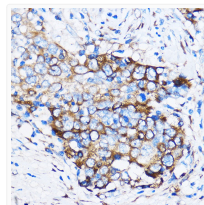
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



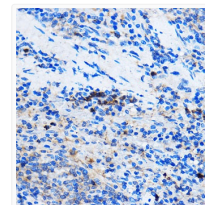
Immunofluorescence analysis of PC-12 cells using Chk1 Rabbit polyclonal antibody (STJ29967) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



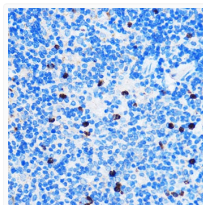
Immunofluorescence analysis of NIH/3T3 cells using Chk1 Rabbit polyclonal antibody (STJ29967) at dilution of 1:20 (40x lens). Blue: DAPI for nuclear staining.



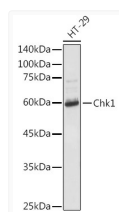
Immunohistochemistry analysis of paraffin-embedded Human esophageal cancer using Chk1 Rabbit polyclonal antibody (STJ29967) at dilution of 1:50 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



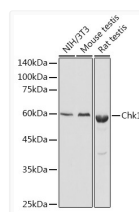
Immunohistochemistry analysis of paraffin-embedded Rat spleen using Chk1 Rabbit polyclonal antibody (STJ29967) at dilution of 1:50 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of paraffin-embedded Mouse spleen using Chk1 Rabbit polyclonal antibody (STJ29967) at dilution of 1:50 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with immunohistochemistry staining protocol.



Western blot analysis of extracts of HT-29 cells, using Chk1 antibody (STJ29967) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.



Western blot analysis of extracts of various cell lines, using Chk1 antibody (STJ29967) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.