

## Chk2 Monoclonal Antibody

CAB19543

### Description

---

This Chk2 Monoclonal Antibody is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

### Product Information

---

<b>SKU:</b>	CAB19543
<b>Contents:</b>	20 µL, 100 µL Bradford Reagent: 1 vial (2ml)
<b>Category:</b>	Monoclonal Antibody
<b>Synonyms:</b>	CDS1, CHK2, LFS2, RAD53, hCds1, HuCds1, PP1425, Chk2
<b>Clone:</b>	ARC57076
<b>Applications:</b>	<span style="background-color: red; border: 1px solid black; padding: 2px 5px;">WB</span> <span style="background-color: #ADD8E6; border: 1px solid black; padding: 2px 5px;">IHC-P</span> <span style="background-color: #3CB371; border: 1px solid black; padding: 2px 5px;">IF/ICC</span> <span style="background-color: #3CB371; border: 1px solid black; padding: 2px 5px;">ELISA</span>
<b>Conjugation:</b>	Unconjugated
<b>Reactivity:</b>	Human

### Antibody Data

---

<b>Gene ID:</b>	11200
<b>Uniprot:</b>	AB_2862658
<b>Host Species:</b>	Rabbit
<b>Purification:</b>	Affinity purification
<b>Observed MW:</b>	61 kDa
<b>Calculated MW:</b>	15-38 kDa/50-65 kDa

## Preparation & Storage

---

**Storage:** Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Store Bradford Reagent at Room Temperature for 1 Year.

**Positive Sample:** HCT 116, HeLa

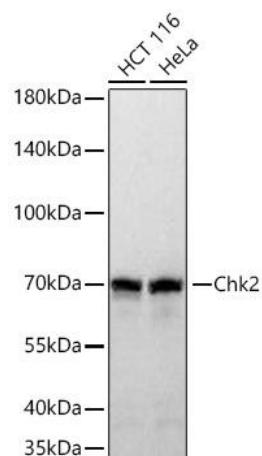
**Recommended Dilutions:**

<b>WB</b>	1:1000 - 1:4000
<b>IF/ICC</b>	1:200 - 1:800
<b>IHC-P</b>	1:100 - 1:500
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

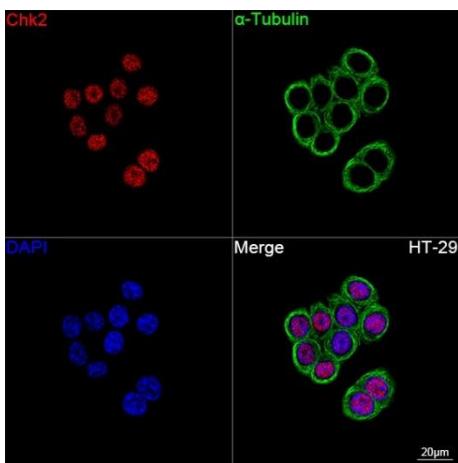
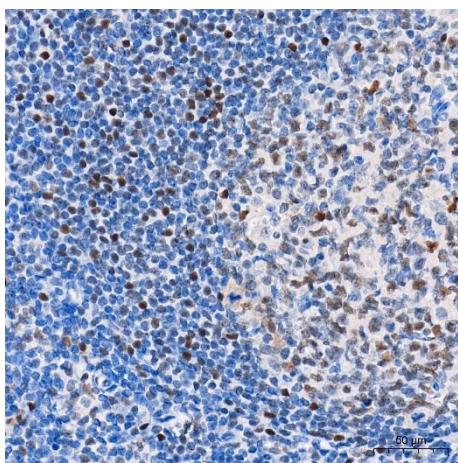
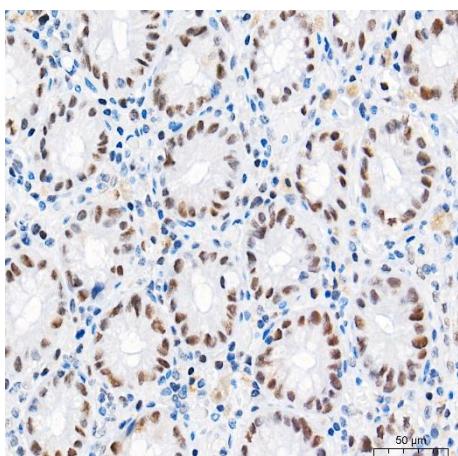
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

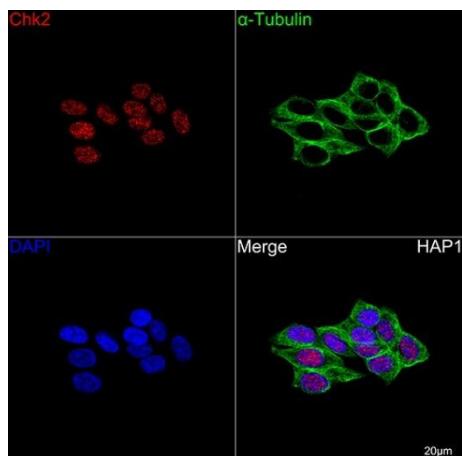
## Validation Data

---



Western blot analysis of various lysates using Chk2 Rabbit mAb (CAB19543) at 1:3000 dilution incubated at room temperature for 1.5 hours. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 90 s.





Confocal imaging of cells using Chk2 Rabbit mAb (CAB19543, dilution 1:200) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (CABC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) Ab (, dilution 1:500) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.