

## PKR/EIF2AK2 Monoclonal Antibody

CAB19545

### Description

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This PKR/EIF2AK2 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

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**SKU:** CAB19545

**Contents:** 20 µL, 100 µL

Bradford Reagent: 1 vial (2ml)

**Category:** Monoclonal Antibody

**Synonyms:** PKR, PRKR, DYT33, LEUDEN, EIF2AK1, PPP1R83, PKR/EIF2AK2

**Clone:** ARC0024

**Applications:** WB IF/ICC ELISA

**Conjugation:** Unconjugated

**Reactivity:** Human

### Antibody Data

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**Gene ID:** 5610

**Uniprot:** AB\_2862660

**Host Species:** Rabbit

**Purification:** Affinity purification

**Observed MW:** 70 kDa

**Calculated MW:** 62 kDa

## Preparation & Storage

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**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:** K-562, 293T

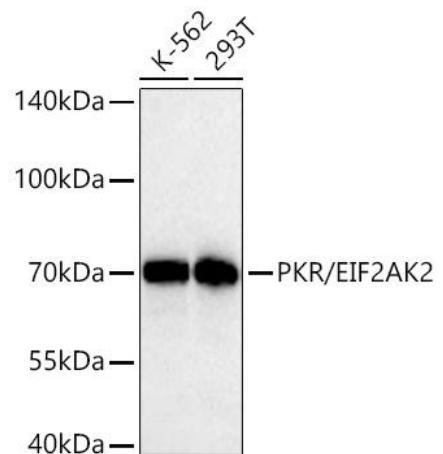
**Recommended Dilutions:**

WB	1:1000 - 1:4000
IF/ICC	1:50 - 1:100
ELISA	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

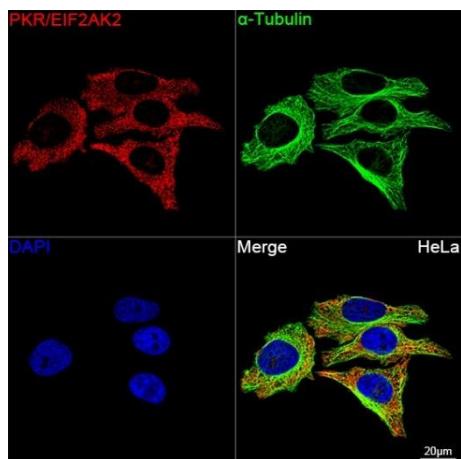
**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

## Validation Data

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Western blot analysis of various lysates using PKR/EIF2AK2 Rabbit mAb (CAB19545) at 1:2000 dilution incubated overnight at 4°C. 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: 30 s.



Confocal imaging of HeLa cells using PKR/EIF2AK2 Rabbit mAb (CAB19545, dilution 1:50) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (CABS007, dilution 1:500) (Red). The cells were counterstained with  $\alpha$ -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.