

## EGFR Monoclonal Antibody

CAB23452

### Description

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This EGFR 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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|----------------------|--|
| <b>SKU:</b>          | CAB23452   |
| <b>Contents:</b>     | 20 µL, 100 µL<br>Bradford Reagent: 1 vial (2ml)  |
| <b>Category:</b>     | Monoclonal Antibody                              |
| <b>Synonyms:</b>     | ERBB, ERRP, HER1, mENA, ERBB1, PIG61, NISBD2, FR |
| <b>Clone:</b>        | ARC56230   |
| <b>Applications:</b> | WB   ELISA                                       |
| <b>Conjugation:</b>  | Unconjugated                                     |
| <b>Reactivity:</b>   | Human  |

### Antibody Data

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|                       |                       |
|-----------------------|-----------------------|
| <b>Gene ID:</b>       | 1956                  |
| <b>Uniprot:</b>       | -                     |
| <b>Host Species:</b>  | Rabbit                |
| <b>Purification:</b>  | Affinity purification |
| <b>Observed MW:</b>   | 175kDa                |
| <b>Calculated MW:</b> | 134kDa                |

## 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:** HeLa

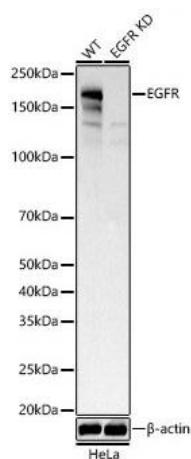
**Recommended Dilutions:**

|       |   |
|-------|---|
| WB    | 1:500 - 1:1000  |
| 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 lysates from wild type(WT) and EGFR knockdown (KD) HeLa cells, using [KD Validated] EGFR Rabbit mAb (CAB23452) at 1:1000 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (CABS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (AbGn00020). Exposure time: 30s.