

## EGFR (AB2435) mouse mAb

W0156

### Key Features

#### Host Species

- Mouse

#### Reactivity

- Human;

#### Applications

- IHC; WB; IF; ELISA

#### MW

- 134 kDa (calculated)
- 170 kDa (observed)

#### Isotype

- IgG2a, kappa

### Recommended Dilution Ratios

#### Application

IHC; WB; IF; ELISA

#### Dilution

IHC, 1:200-1:1000 | WB, 1:500-1:2000 | IF, 1:100-1:500 | ELISA, Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

### Storage

#### Storage Conditions

Store at -20°C. Avoid freeze / thaw cycles.

#### Storage buffer

The antibody is provided in liquid form in phosphate - buffered saline with 50% glycerol, 0.05% BSA, and 0.05% Proclin 300.

### Basic Information

|               |                                                                                                 |
|---------------|-------------------------------------------------------------------------------------------------|
| Clonality     | Monoclonal                                                                                      |
| Clone Number  | AB2435                                                                                          |
| Immunogen     | A synthetic peptide corresponding to the amino acid region 300 - 400 of the human EGFR protein. |
| Specificity   | This antibody detects endogenous levels of EGFR protein.                                        |
| Purification  | Affinity purification Protein A                                                                 |
| Concentration | Product concentration may vary by batch. Please refer to the product COA for details.           |

### Target Information

|               |          |             |         |
|---------------|----------|-------------|---------|
| Gene name     | EGFR     |             |         |
| Protein Name  | EGFR     |             |         |
| Database Link | Organism | Swiss Prot. | Gene ID |
|               | Human    | P00533      | 1956    |

|            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Background | The protein encoded by this gene is a transmembrane glycoprotein that is a member of the protein kinase superfamily. This protein is a receptor for members of the epidermal growth factor family. EGFR is a cell surface protein that binds to epidermal growth factor. Binding of the protein to a ligand induces receptor dimerization and tyrosine autophosphorylation and leads to cell proliferation. Mutations in this gene are associated with lung cancer. [provided by RefSeq, Jun 2016], |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|