

# Anti-EGFR [ICR11]

**Catalogue number:** 153387

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** Chris Dean

**Institute:** The Institute of Cancer Research

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-EGFR [ICR11]

**Alternate name:** ERBB1; HER1; epidermal growth factor receptor; ERBB; mENA; PIG61

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** 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. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG2a

**Reactivity:** Human

**Selectivity:**

**Host:** Rat

**Immunogen:** Squamous cell carcinoma

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** EGFR

**Target alternate names:**

**Target 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. Multiple alternatively spliced transcript variants that encode different protein isoforms have been found for this gene.

**Molecular weight:** 42.4 kDa

**Ic50:**

## Applications

**Application:** FACS ; IHC ; IP

**Application notes:**

## Handling

**Format:** Liquid

**Concentration:** 0.9-1.1 mg/ml

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:** PBS with 0.02% azide

**Storage conditions:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Modjtahedi et al. 2012. Br J Cancer. 106(5):883-8. PMID: 22315050. ; Immunohistochemical discrimination of wild-type EGFR from EGFRvIII in fixed tumour specimens using anti-EGFR mAbs ICR9 and ICR10.

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