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## Product Datasheet

### EGFRvIII Antibody (orb1906394)

**Description**

EGFRvIII Antibody

**Species/Host**

Mouse

**Reactivity**

Human

**Conjugation**

Unconjugated

**Tested Applications**

FC, IHC, IP

**Immunogen**

The original antibody was generated by immunization of mice with NR6 mouse fibroblasts expressing the truncated de2-7 EGFR.

**Target**

EGFRvIII

**Preservatives**

PBS with 0.02% Proclin 300.

**Concentration**

1 mg/ml

**Storage**

Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

**Note**

For research use only

**Application notes**

This antibody binds the U87 MG glioma cell line transfected with the de2-7 EGFR but not the parental U87 MG cell line, which expresses the wt. EGFR without gene amplification in a flow cytometric analysis. This antibody significantly inhibited the growth of U87 MG xenografts transfected with the de2-7 EGFR in a dose-dependent manner using both preventative and established tumor models. It also inhibited U87 MG cells transfected with the wild-type EGFR, which increased expression to ;106 EGFRs/cell and mimics the situation of gene amplification. Xenografts treated with this antibody all displayed large areas of necrosis that were absent in control tumors. This antibody was also reported to y inhibit the growth of new and established A431 xenografts, a cell line expressing > 106 EGFRs/cell. This antibody was also used for the immunoprecipitation of de2-7 EGFR from U87 MG.D2-7 cells. This antibody was also used for the immunohistochemical analysis of frozen sections derived from U87 MG, U87 MG.D2-7, and U87 MG. wt. EGFR xenografts (PMID: 11454674). Chimeric version of this antibody displayed enhanced antibody-dependent cellular cytotoxicity against target cells expressing the de2-7 EGFR in the presence of

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