

SIMPLE WESTERN CERTIFIED ANTIBODY DATASHEET

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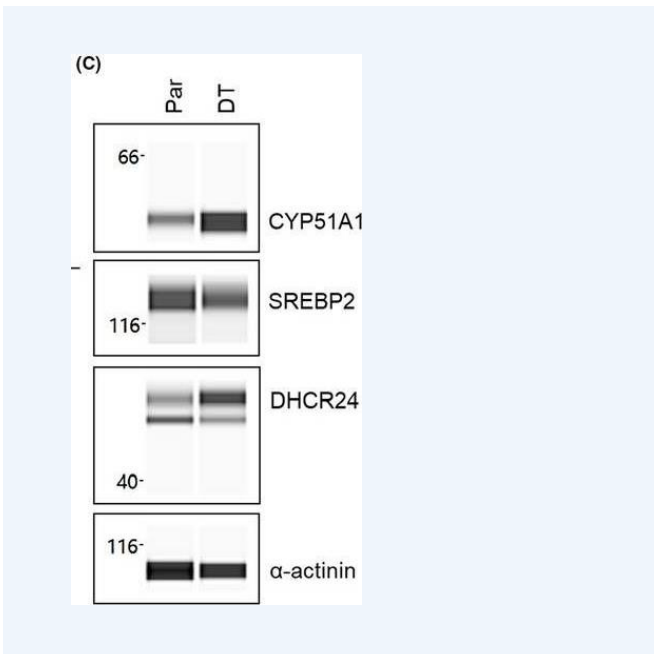


Figure: Upregulation of Cholesterol Metabolism in EGFR TKI Tolerant Cells. A, Gene expression in EGFR TKI treated parental cells. H1299 (N = 3) cells were treated at seeding with 7.5 μM lapatinib (LP) or 20 μM gefitinib (Gef) for 14 d. Average fold change ± SEM, compared to untreated, is shown. An unpaired t-test was used to determine significance. B, Cholesterol (chol) content of EGFR TKI treated parental cells. H1299 cells were treated at seeding with 7.5 μM lapatinib or 15 μM gefitinib for the indicated number of days. Average fold change ± SEM, compared to untreated, is shown [Parental (N = 10), LP Day 3 (N = 6), LP day 14 (N = 2), Gef Day 3 (N = 6), Gef Day 14 (N = 4)]. * refers to comparison to day 0. # refers to comparison between two groups connected by the line. ANOVA and the Tukey post hoc test were used to determine the significance. C, Cholesterol synthesis enzyme protein expression in H1975 parental (Par) and lapatinib DT cells. WES automated capillary western blotting of whole cell lysate using antibodies against the indicated proteins is shown.

| PROTEIN TARGET/ANTIBODY | |
|---------------------------------|-------------------|
| Protein Target | α-actinin |
| Protein Isoform | Unmodified |
| Antibody Type | Primary |
| Host Species/Clonality | Mouse Monoclonal |
| ASSAY | |
| Sample Type | NCI-H1975 |
| Sample Concentration | Not_ Stated |
| Antibody Concentration/Dilution | Not_ Stated |
| Antibody Diluent | |
| Detection Mode | Chemiluminescence |
| Separation Type | Size |
| Matrix | Not_ Stated |
| Observed kDa | Not_ Stated |

*Image collected and cropped by CiteAb from the following publication <http://www.nature.com/articles/s41467-019-10901-x> licensed under a CC-BY license

PUBLICATIONS

1. Howell, M. C., Green, R., et al. Lung cancer cells survive epidermal growth factor receptor tyrosine kinase inhibitor exposure through upregulation of cholesterol synthesis. *FASEB Bioadv.* 2020 Feb;2(2):90-105. 10.1096/FBA.2019-00081. PMID:32123859.
- 2.
- 3.
- 4.
- 5.
- 6.

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