

TISTA  
antiserum

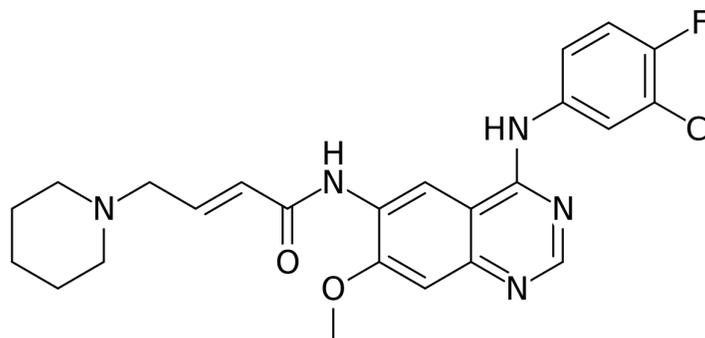
# Anti-dacomitinib Antiserum

INNOBIOPHARM

## Product datasheet

### Overview

Product name	Anti-dacomitinib antiserum
Catalog number	TIS0309A
Description	This rabbit anti-serum is raised against dacomitinib small molecule conjugated with a carrier protein.
Tested application	Immunoprecipitation pull-down Western blot analysis ELISA analysis
Immunogen	Dacomitinib



Specificity	This antiserum is specific to dacomitinib
Species reactivity	Not applicable
Host species	Rabbit

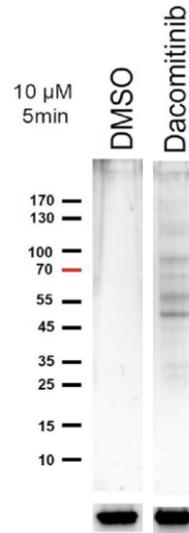


## Properties

Form	This product is maintained in liquid form.
Shipping condition	This product is shipped at 2 <sup>o</sup> C-8 <sup>o</sup> C in cooler packed box.
Storage instruction	Upon receiving this product, please aliquot adequate amounts and store at -20 <sup>o</sup> C. Avoid freeze/thaw cycles.
General Notes	<p>Dacomitinib is a small molecule tyrosine kinase inhibitor against EGFR kinase. It is used in clinical trial for NSCLC.</p> <p>This antiserum was used in western blot detection to successfully recognize protein complexes with covalent binding of dacomitinib. This recognition was through direct binding of antibody to dacomitinib, but not through peptide or protein binding of antibody.</p> <p>This antiserum was also used, in immunoprecipitation experiments, to pull down protein complexes involved direct covalent binding of dacomitinib. The protein complexes can be further analyzed using western blot analysis or peptide sequencing. Antiserum binding was characterized and was demonstrated to be corresponding to dacomitinib small molecule itself, but not to protein binding partner of dacomitinib.</p> <p>Concentration of antibody in antiserum is not determined. Recommendation of condition for western blot analysis and immunoprecipitation is based on previous successful experiments. Investigation to obtain maximal condition of your own experiments is strongly recommended.</p> <p>This reagent is for research use only and is not approved for clinical testing, human clinical studies, or any other regulated work. This reagent is licensed for research use and not for any other commercial application.</p> <p>This antiserum is generated with TISTA<sup>®</sup> (Target Identification by Specific Tagging and Antibody Detection) technology for binding small molecule using antibody. This antiserum is developed in collaboration between Innobiopharm and Dr. Geen-Dong Chang of National Taiwan University.</p>



## Data



Covalent labeling of cellular proteins in cells detected by anti-dacomitinib antiserum.

## References

Yu et al. Antibody-assisted target identification reveals dacomitinib, an EGFR covalent inhibitor, down-regulating ribonucleotide reductase. (2018) *Oncotarget*, 9:21512-21529.

## For inquiries

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