

Orthotopic Xenograft Tumor Models

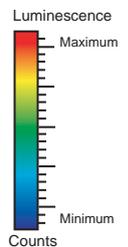
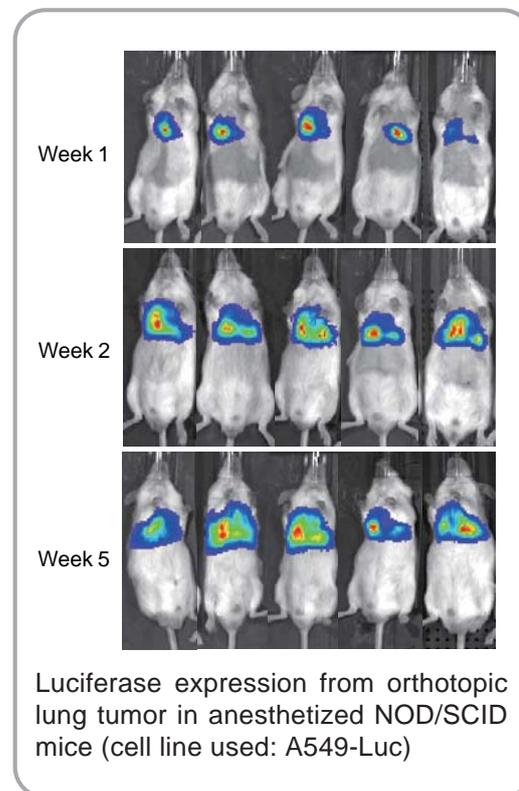
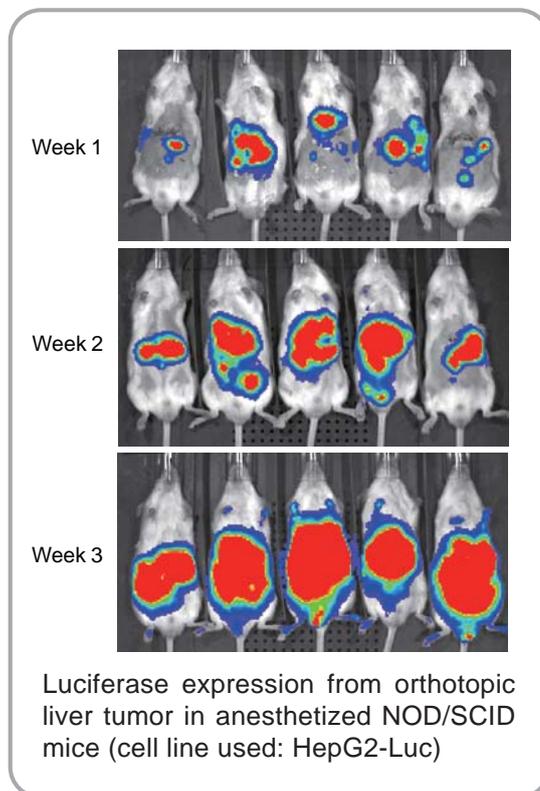
The “organ of origin” implantation of tumor cell line in murine has been significantly applied over subcutaneous tumor model for its benefit of close resemblance to human cancer. Abnova has developed several orthotopic human tumor models with luciferase expressing cell lines, which allows cancer growth to be monitored through *in vivo* bioluminescence IVIS® biophotonic imaging system. By leveraging our expertise and efficient service, you can access clinically relevant orthotopic xenograft tumor models to determine the efficacy of chemotherapeutic regimens and to assess tissue site specific pathology to enhance cancer targeted therapy in preclinical study. Most importantly, we can also customize the tumor models to your specific needs.

Advantages

- Spontaneous metastasis formations
- Mimic the morphology and growth of human cancer
- Assess organotypical microenvironment interactions
- Raise the efficacy site-specific chemotherapeutic treatments
- Targeting clinically relevant site involved in local invasion processes

Do you find orthotopic xenograft model technically challenging and time consuming?

- Orthotopic implantation of tumor cells with flawless surgical techniques
 - ! 8 major tumor types (lung, breast, colon, prostate, liver, pancreas, ovary and spleen)
- Evaluate tumor growth in orthotopic xenograft model *in vivo*
- Administer drug compound with customized methods: s.c, i.p, or i.v.
- Stable cell line provided for orthotopic efficacy examination
- Your tagged tumor cell line available for animal model pre-test/experiment



Other xenograft model related services and established stable tumor cell lines are available for inquiry:
sales@abnova.com