

# About RabMAbs<sup>®</sup>

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## The unique and proprietary method for making monoclonal antibodies from rabbits provides several significant benefits.

### Advantages of rabbit monoclonals

- The high affinity of rabbit antibodies combined with the specificity of a monoclonal
- Excellent results in all major applications including staining of paraffin embedded tissue sections
- Every RabMAb is tested in multiple applications before being released - WB, IHC, ICC, IP and Flow Cytometry
- Ideal for generating antibodies against mouse or rat targets

### Superior antigen recognition

The benefits of the rabbit immune system have been taken advantage of through the generation of rabbit polyclonals for many years, but no technology existed for the creation of stable rabbit hybridomas from which rabbit monoclonals could be reliably produced.

### Patented hybridoma fusion partner cell line

The availability of the first suitable rabbit fusion partner cell line, created in 1995 by Dr. Katherine Knight (1), enabled the generation of stable rabbit hybridomas. Dr. Robert Pytela and his colleagues have further developed this cell line and established a robust system allowing for the creation of rabbit monoclonal antibodies on a larger scale.

Using this proprietary rabbit monoclonal antibody (RabMAb) technology, we have developed a large number of antibodies which perform well in a variety of immunoassays (Fig.1).

### RabMAbs - High affinity and specificity

RabMAbs combine the advantage of high affinity, attributable to their rabbit origin with high specificity due to their monoclonal nature. The high affinity and low background of RabMAbs makes them ideal affinity reagents for demanding applications such as the detection of antigens in formalin-fixed paraffin embedded tissue sections.

We have developed several high quality IHC antibodies against various antigens which can be used in both basic research and clinical settings (Fig.2). Several studies conducted recently comparing RabMAbs to mouse monoclonals have found RabMAbs to be superior detection reagents for staining of tissues (2-3). In addition to use in IHC, rabbit monoclonals are proving to be excellent detection reagents for use in a many immunoassays.

### References

1. Spieker-Polet et al., (1995) PNAS **92**, 9348-524.
2. Rossi, S. et al., (2005) Am J Clin Pathol **124**, 0.
3. Ramos-Vara (2005) Vet. Pathol. **42**, 405-426.

Figure 1. General procedure used for making rabbit monoclonal antibodies

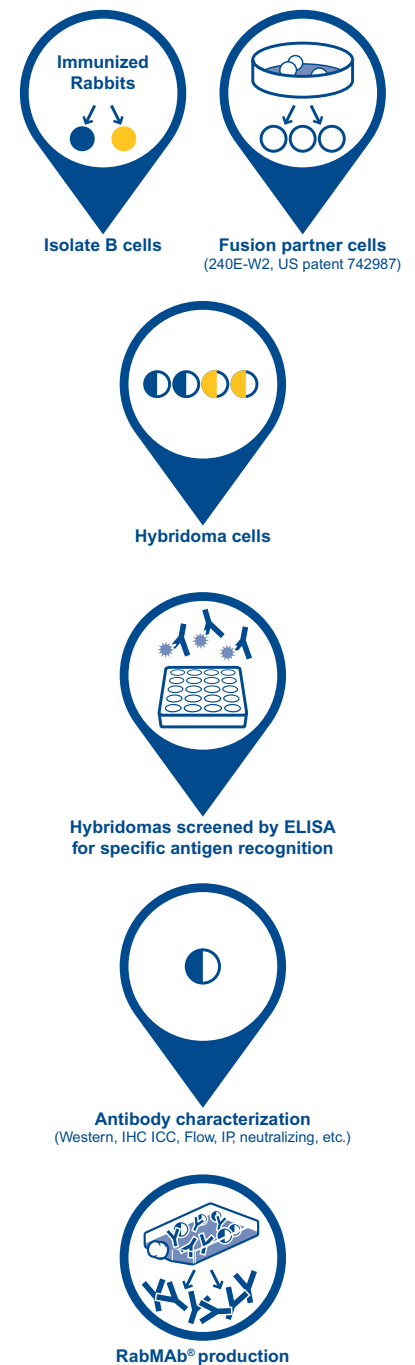
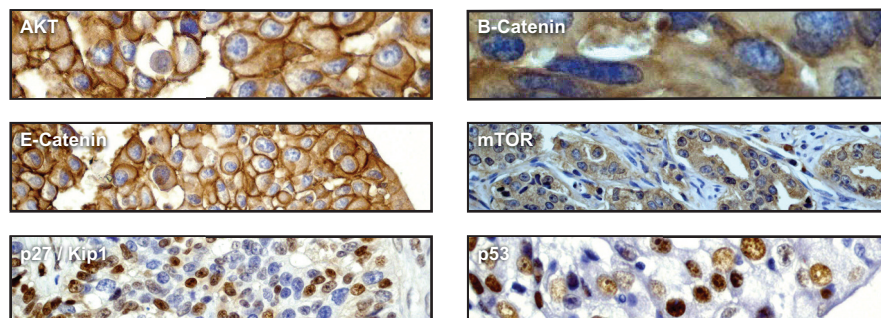
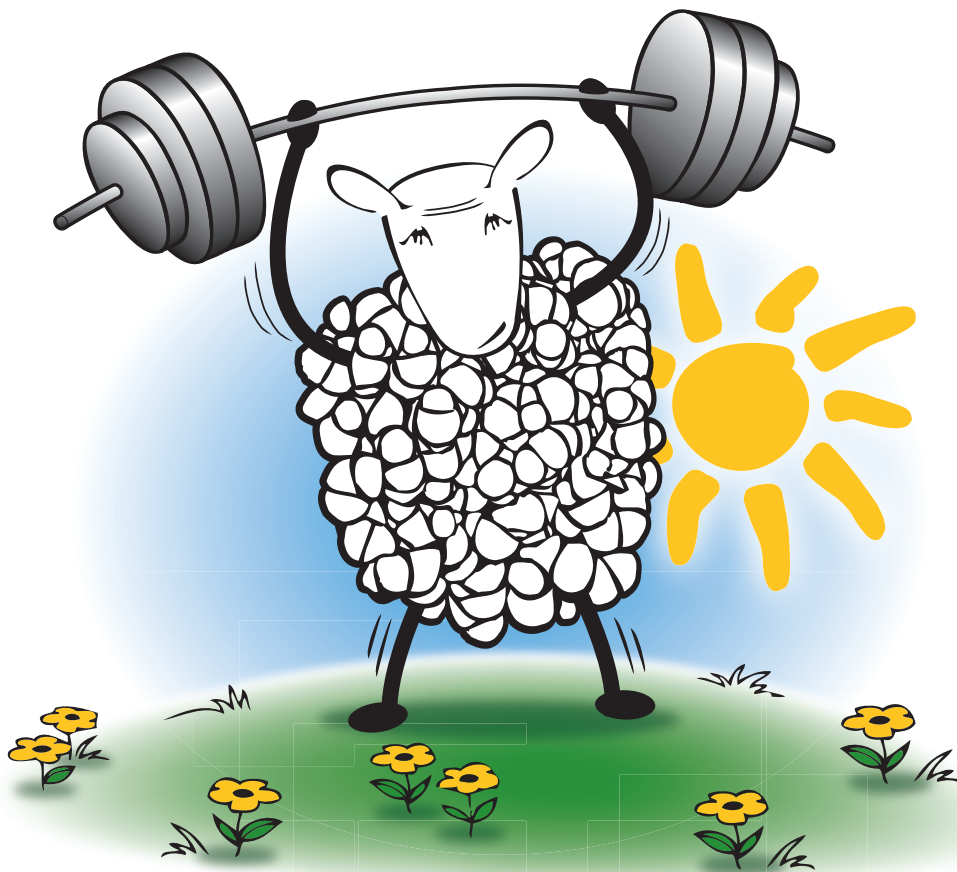


Figure 2. Immunohistochemical detection of breast cancer markers in paraffin embedded breast cancer tissue sections using rabbit monoclonal antibodies.



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