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Our ras oncogene antibodies know a mutant when they see one.

The different reactivities of our anti-p21-Ser and pan-reactive anti-p21 antibodies are demonstrated here. Cellular extracts from five cell lines incorporating five variants of the ras oncogene were probed. While p21 from all five cell lines was detected with our pan-reactive anti-p21 antibody (left panel), only mutant p21 from the K-balb cell line (Ki-ras gene with serine at amino acid 12) was detected with our anti-p21-Ser antibody (right panel).

And to make it easy for your research, Cetus offers five convenient alternatives for detecting ras oncogene proteins in cellular or tumor extracts. Cetus' anti-p21-Ser rabbit polyclonal antibody, for example, binds to v-Ki-ras (serine at position 12) but not to v-Ha-ras (arginine at position 12) protein or ras proteins containing glycine (normal) at position 12. We've also demonstrated analogous specificity in our anti-p21-Val, anti-p21-Asp and anti-p21-Arg polyclonal antibodies. This specificity provides the tool for the characterization of cell lines or tumors according to ras position 12 mutant type.

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   Histocompatibility Antigens on Murine Tumors
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   Spatially Regulated Expression of Homeotic Genes in Drosophila
   Plasticity of the Differentiated State
   Oncogenes in the Cytoplasm & Nucleus
   Granulocyte-Macrophage Colony-Stimulating Factors
   X-Ray Structure of Displatin with DNA
   Immunoglobulin Heavy-Chain Enhancer:
   Tissue-Specific Factors

IV. Hormones and Metabolism
   Atrial Natriuretic Factor
   The LDL Receptor Gene
   Human von Willebrand Factor

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   Biotechnology & Food
   Drug Biotechnology: The Japanese Challenge

VI. Virology
   Nucleotide Sequence of Yellow Fever Virus
   Three-Dimensional Structure of Poliovirus

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