

Anti-p21 [Y13-238] Standard Size Ab00923-7.1

Isotype and Format: Rat IgG2a, Lambda

Clone Number: Y13-238

Alternative Name(s) of Target: Ras; p21ras;

UniProt Accession Number of Target Protein: P78460; O70564

Published Application(s): IP;

Published Species Reactivity: Human, Mouse

Immunogen: Injection of rats subcutaneously with Ha-MuSV transformed NRK cells and screening of sera of individual animals to identify those with the strongest immune response against p21. Spleens were removed from the immunised animals and cell fusion of immune lymphocytes with rat myeloma cell line 210RCY3 Ag 1.2.3 (Y3) was carried out. Supernatants were harvested and assayed for antibodies to p21 by GDP binding assay or immunofluorescence on Ha-SV-transformed MDCK cells, followed by testing for the ability of the antibodies to immunoprecipitate p21.

Specificity: The antibody reacts with v-H-ras (within amino acids 120-138) and rodent c-H-ras p21's but not v-K-ras or rodent c-K-ras p21's. This antibody also recognizes human c-H-ras and c-K-ras p21's, but not human c-N-ras.

Application Notes: Y13-238 has been used to immunoprecipitate p21 from human peripheral blood lymphoblasts in order to measure its activation state (Downward 1990). Y13-238 has been used as an anti-ras non-neutralising scFv (Cochet 1998).

Antibody First Published in: Furth et al. Monoclonal Antibodies to the p21 Products of the Transforming Gene of Harvey Murine Sarcoma Virus and of the Cellular ras Gene Family JOURNAL OF VIROLOGY, July 1982, p. 294-304 [PMID:6287003](#)

Note on publication: Describes the generation of monoclonal antibodies to p21 encoded by Ha-MuSV.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic

procedures for humans or animals.