

p53DINP1 Polyclonal Antibody

ORDERING INFORMATION

Catalog No.: 56223

Size: 100 ug IgG in PBS, pH 7.4,
purified by immunoaffinity
chromatography.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 1-14 of human p53DINP1. This sequence is identical in p53DINP1 α and β and differs from that of mouse p53DINP1 by one amino acid.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide

SPECIFICITY

This antibody recognizes human, mouse, and rat p53DINP1 (p53-Dependent Damage-Inducible Nuclear Protein 1), a p53 inducible gene. A p53DINP1 antisense oligonucleotide inhibits, and overexpression of p53DINP1 enhances, Ser46 phosphorylation of p53, induction of p53AIP1, and cell death induced by DNA double-strand breaks. The p53DINP1 gene encodes two proteins of 27 and 18 kD designated p53DINP1- α and p53DINP1- β . p53DINP1 is

expressed in many tissues and is induced by stress agents.

APPLICATIONS

Immunoblotting: use at 1-2 ug/ml. In immunoblots on human lung tissue lysate, a band of 27 kD is detected. A lower molecular weight band is detected at 18 kD in human spleen and mouse liver and kidney tissue lysates which probably represents p53DINP1- β .

Positive control: Human lung tissue lysate.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.