



TALDO1, Transaldolase 1

polyclonal antibody

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Box 1 | Basic Info

Cat. No.	ABP-PAB-11693
Animal ID	RB1305/RB1306
Host	Rabbit
Reactivity	Human
Format	Purified
Accession number	NM_006034
Amount	100 µg

Alternative Name(s): TP53I11, PIG11, p53-induced protein

The inactivation of the p53 gene in a large proportion of human cancers has inspired an intense search for the encoded protein's physiological and biological properties. Expression of p53 induces either a stable growth arrest or programmed cell death (apoptosis). In human colorectal cancers, the growth arrest is dependent on the transcriptional induction of the protein p21WAF1/CIP1, but the mechanisms underlying the development of p53-dependent apoptosis are largely unknown. The tumor protein p53 inducible protein 11 (TP53I11) contains at least 3 transmembrane domains and is of bilateral origin in evolution. TP53I11 is induced in response to oxidative stress, and the protein may have a role in p53-dependent apoptosis.

Buffers

Purified rabbit polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column and eluted out with both high and low pH buffers and neutralized immediately after elution then followed by dialysis against PBS.

Immunogen

KLH conjugated synthetic peptide comprised of amino acids 175 - 189 [SIYYYYQVGRPKKA] of the human tumor protein p53 inducible protein 11 (TP53I11) protein.

Application:

Tested by peptide-specific ELISA (1:1,000).

Storage:

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C. Avoid repeated freeze-thaw cycles.

References:

1. Polyak K, Xia Y, Zweier JL, Kinzler KW, Vogelstein B: A model for p53-induced apoptosis. Nature 389(6648): 300-305 (1997).