

IHCAb™ p63 (BGT-P63) mouse mAb

Cat #: B-IMW6207

Size: 100 µL

Storage: Store at -20°C. Avoid repeated freeze / thaw cycles.

Background

tumor protein p63(TP63) Homo sapiens This gene encodes a member of the p53 family of transcription factors. The functional domains of p53 family proteins include an N-terminal transactivation domain, a central DNA-binding domain and an oligomerization domain. Alternative splicing of this gene and the use of alternative promoters results in multiple transcript variants encoding different isoforms that vary in their functional properties. These isoforms function during skin development and maintenance, adult stem/progenitor cell regulation, heart development and premature aging. Some isoforms have been found to protect the germline by eliminating oocytes or testicular germ cells that have suffered DNA damage. Mutations in this gene are associated with ectodermal dysplasia, and cleft lip/palate syndrome 3 (EEC3); split-hand/foot malformation 4 (SHFM4); ankyloblepharon-ectodermal defects-cleft lip/palate; ADULT syndrome (acro-dermato-ungual-lacrim).

Product Information

Applications/Dilution: IHC-p 1:100-500, WB 1:500-2000

Isotype/Source: Mouse, Monoclonal/IgG1, Kappa

Specificity: This antibody detects endogenous levels of human p63. Heat-induced epitope retrieval (HIER) TRIS-EDTA of pH8.0 was highly recommended as antigen repair method in paraffin section

Subcellular Location: Nucleus

Expression: Widely expressed, notably in heart, kidney, placenta, prostate, skeletal muscle, testis and thymus, although the precise isoform varies according to tissue type. Progenitor cell layers of skin, breast, eye and prostate express high levels of DeltaN-type isoforms. Isoform 10 is predominantly expressed in skin squamous cell carcinomas, but not in normal skin tissues.

Formulation: Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Storage: Store at -15°C to -25°C

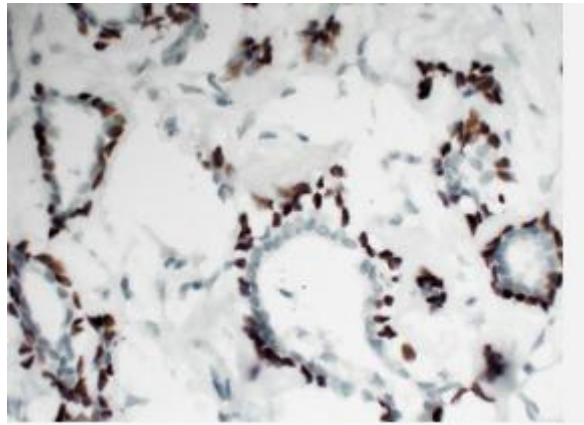


Fig.1. Human breast carcinoma tissue was stained with Anti-p63 Antibody

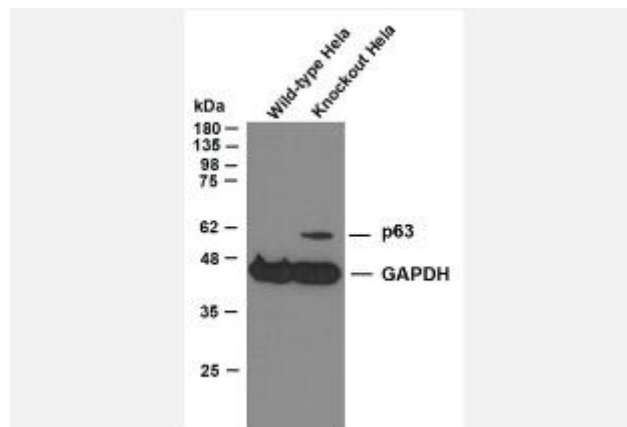


Fig.2. Various whole cell lysates were separated by 10% SDS-PAGE, and the membrane was blotted with anti-P63 and anti-GAPDH antibody. The HRP-conjugated anti-Mouse IgG antibody was used to detect the antibody. Lane 1 : P63 knockout HeLa cell lysate Lane 2 : Wide type HeLa cell lysate Predicted band size: 77 kDa Observed band size: 77 kDa

Note:

The product listed herein is for research use only and is not intended for use in human or clinical diagnosis.