

BAP1 clone C-4

Mouse Monoclonal Antibody

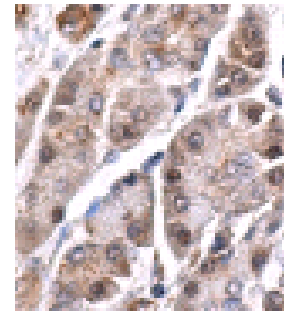
Instructions for Use

Specification:

Mutations within the BRCA1 gene, localized to chromosome 17q, are believed to account for approximately 45% of families with increased incidence of both early-onset breast cancer and ovarian cancer. The BRCA1 gene is expressed in numerous tissues, including breast and ovary, and encodes a predicted protein of 1,863 amino acids. This protein contains a RING domain near the N-terminus and appears to encode a tumor suppressor. BARD1 (BRCA1-associated RING domain protein 1) and BAP1 (BRCA1-associated protein 1) have both been shown to bind to the N-terminus of BRCA1 and are potential mediators of tumor suppression. BARD1 contains an N-terminal RING domain and three tandem ankyrin repeats. The C-terminus of BARD1 contains a region with sequence homology to BRCA1, termed the BRCT domain. BAP1 is a ubiquitin hydrolase and has been shown to enhance BRCA1-mediated cell growth suppression.

Availability:

Catalog No.	Contents	Volume
ILM3919-C01	BAP1	0,1 ml concentrate
ILM3919-C05	BAP1	0,5 ml concentrate
ILM3919-C1	BAP1	1,0 ml concentrate



Intended use: For Research use only

Reactivity: Human

Clone: C-4

Species of origin: Mouse

Isotype: IgG₁

Control Tissue: Pancreas, breast carcinoma, ovarian carcinoma

Staining: Nuclear and cytoplasmic

Immunogen: Amino acids 430-729 of BAP1 of human origin

Presentation: Antibody in PBS with < 0.1% sodium azide and 0.1% gelatin

Application and suggested dilutions:

Pre-treatment: Heat induced epitope retrieval in 10 mM citrate buffer, pH6.0, or in 50 mM Tris buffer pH9.5, for 20 minutes is required for IHC staining on formalin-fixed, paraffin embedded tissue sections.

- Immunohistochemical staining of formalin-fixed, paraffin embedded tissue section (dilution 1:50-1:500)
- Western blotting (dilution 1:100-1:500)

The optimal dilution for a specific application should be determined by the investigator.

Note: Dilution of the antibody in 10% normal goat serum followed by a goat anti-mouse secondary antibody-based detection is recommended.

Storage & Stability: Store at 2-8 °C. Do not use after expiration date printed on the vial.

Reference:

- 1) Hall, J.M., et al. 1990, Science 250: 1684-1689.
- 2) Narod, S.A., et al. 1991, Lancet 338: 82-83.
- 3) Ventii, K.H., et al. 2008, Cancer Res.68: 6953-6962.
- 4) Nishikawa, H., et al. 2009,Cancer Res. 69: 111-119.
- 5) Bott, M., et al. 2011, Nat. Genet. 43: 668-672.
- 6) Wiesner, T., et al. 2012, Am. J. Surg. Pathol. 36: 818-830.
- 7) Carbone, M., et al. 2012, J. Transl. Med. 10: 179.
- 8) Yoshikawa,Y., et al. 2012, Cancer Sci. 103: 868-874.
- 9) Gammon, B., et al. 2013, J. Cutan. Pathol. 40: 538-542.
- 10) Kerl, K., et al. 2013, Am. J. Dermatopathol. 35: 151-158.
- 11) Popova T., et al. 2013, Am. J. Hum. Genet. 92: 974-980.