

Datasheet

Anti-Inhibin α Clone PO12/8

Product Name	Anti Human Inhibin α PO12/8
Catalogue Number	PO12/8
Clone, Isotype	PO 12/8, IgG2a
Format	IgG
Tested Applications	ELISA, IHC

Description:

Higher levels of inhibin α have been associated with a higher risk of cancer progression and recurrence. Clone PO 12/8 is useful in detecting inhibin α levels, especially in prostate cancer cells.

Product Details:

Form in stock: IgG, purified – 1.0 mg/mL. Also available as unpurified supernatant.

Host: Mouse

Specificity: Synthetic peptide corresponding to epitope region aa73-96 of the α C region of α subunit of inhibin A (Robertson D.M. et al.).

Fusion partner: Spleen cells from immunised Balb/c mice were fused with cells of the mouse SP2/0 myeloma cell line.

Human Histology positive control: Prostate tissue

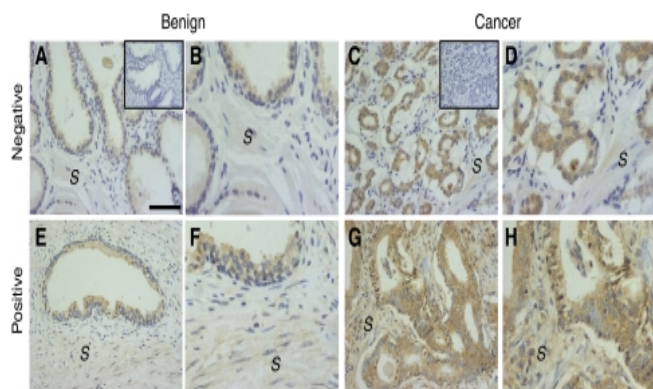
Storage: Store at +4°C or -20°C. Avoid repeated freezing and thawing.

Shelf life: 18 months from date of dispatch.

Regulatory/ Restrictions: For research and commercial purposes.

Applications	Suggested Dilution
ELISA	Assay dependent
Immunohistochemistry	90 μ g/ml ³

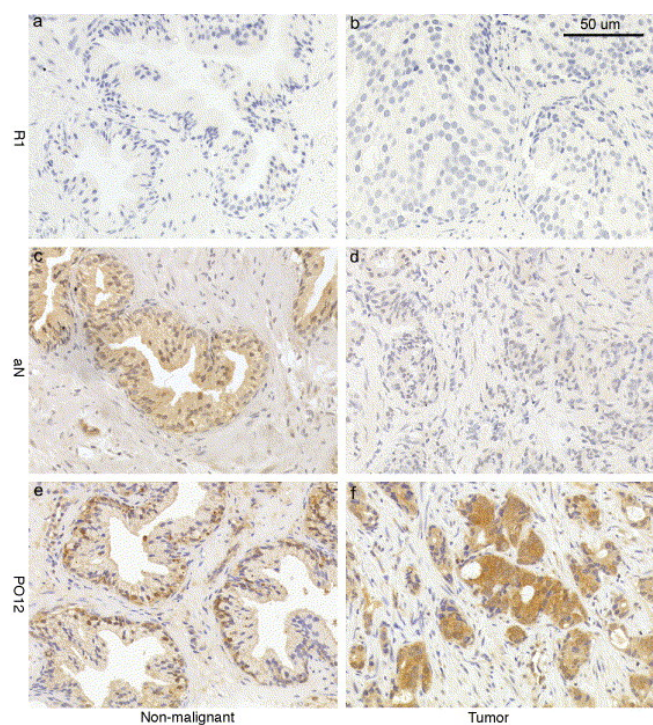
Applications:



Clone PO 12/8 used to stain prostate cancer cells and detect levels of inhibin a by IHC-P

Image caption: INH α expression in clinical specimens and its association to prostate disease.

Immunohistochemical staining of INH α in primary prostate tumours from PCa patients with (A–D) organ-confined (negative) and (E–H) metastatic disease (positive). (Balanathan, P et al.)



Clone PO 12/8 used to stain prostate cancer cells and detect levels of inhibin a by IHC-P

Image caption: Immunostaining in biopsy specimens from men with prostate cancer in regions of non-malignant (a, c, e) or malignant (b, d, f) tissue... Panels e and f show the up-regulation of inhibin α subunit immunoreactivity in malignant compared to non-malignant regions of tissue using the monoclonal antibody, PO#12. (Risbridger G.P et al.)

Dilution used: 90 μ g/ml

References:

1. Balanathan, P., Williams, E.D., Wang, H., Pedersen, J.S., Horvath, L.G., Achen, M.G., Risbridger, G.P. (2009) Elevated level of inhibin- α subunit is pro-tumourigenic and pro-metastatic and associated with extracapsular spread in advanced prostate cancer. *British Journal of Cancer*, 100(11), 1784–1793.
2. Robertson, D.M., Stephenson, T., Cahir, N., Tsigos, A., Pruyers, E., Stanton, P.G., Groome, N.P., Thirunavukarasu, P. (2001) Development of an inhibin α subunit ELISA with broad specificity. *Molecular and Cellular Endocrinology*, Volume 180, Issues 1–2, Pages 79-86, ISSN 0303-7207.
3. Risbridger, G.P., Ball, E.M.A., Wang, E.M.A., Mellor, S.L., Peehl, D.M. (2004) Re-evaluation of inhibin α subunit as a tumour suppressor in prostate cancer. *Molecular and Cellular Endocrinology*, Volume 225, Issues 1–2, Pages 73-76, ISSN 0303-7207.

Calibre Scientific UK, Unit 5A, R-Evolution @

The Advanced Manufacturing Park, Selden Way, Rotherham, S60 5XA