

Anti-ErbB3 [RTJ2] mAb

Catalogue number: 151158

Sub-type: Primary antibody

Images:

Contributor

Inventor: Bill Gullick

Institute: University College London (UCL), UK

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-ErbB3 [RTJ2] mAb

Alternate name: Anti-ErbB3 antibody

Class: Monoclonal

Conjugate: Unconjugated

Description: Anti-ErbB3 [RTJ2] is a monoclonal antibody which binds ErbB3. ErbB3 (c-erbB-3/HER-3) is a type I growth factor receptor and binds to ligands in the heregulin family. ErbB3 is over-expressed in a variety of tumours in the bladder, breast, colon, pancreas and stomach. By immunoprecipitation, this antibody detects a protein representing HER-3 from human tissue extracts. This antibody has also been used in immunohistochemistry, immunofluorescence, western blotting and ELISA procedures using human tissues.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: Synthetic peptide of human ErbB3

Immunogen UNIPROT ID: P21860

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls:

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: ErbB3 (Her3)

Target alternate names:

Target background: The EGFR family of type I growth factor receptor tyrosine kinases includes EGFR (HER1), c-erbB2 (HER2; neu), c-erbB3 (HER3) and c-erbB4 (HER4). c-erbB3 is normally found in non-dividing differentiated epithelial cells, neurones and hepatocytes. It has approximately 80% prevalence in a wide variety of tumours of the gastro-intestinal tract, and approximately 20% prevalence in breast cancer.

Molecular weight:

Ic50:

Applications

Application: ELISA ; FACS ; IHC ; IF ; IP ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: -15° C to -25° C

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Li et al. 2017. Oncotarget. 8(40):67140-67151. PMID: 28978022. ; Lattanzio et al. 2016. Oncol Lett. 12(1):453-458. PMID: 27347164. ; Anagnostou et al. 2010. Cancer Epidemiol Biomarkers Prev. 19(4):982-91. PMID: 20332259. ; Analytic variability in immunohistochemistry biomarker studies. ; Kapitanovic et al. 2000. J Cancer Res Clin Oncol. 126(4):205-11. PMID: 10782893. ; Expression of erbB-3 protein in colorectal adenocarcinoma: correlation with poor survival. ; Naidu et al. 1998. Br J Cancer. 78(10):1385-90. PMID: 9823984. ; Expression of c-erbB3 protein in primary breast carcinomas. ; Srinivasan et al. 1998. J Pathol. 185(3):236-45. PMID: 9771476. ; Expression of the c-erbB-4/HER4 protein and mRNA in normal human fetal and adult tissues and in a survey of nine solid tumour types. ; Rajkumar et al. 1996. Clin Mol Pathol. 49(4):M199-202. PMID: 16696074. ; c-erbB3 protein expression in ovarian cancer. ; Rajkumar et al. 1993. J Pathol. 170(3):271-8. PMID: 8133400. ; Expression of the c-erbB-3 protein in gastrointestinal tract tumours determined by monoclonal antibody RTJ1.

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