Anti-cROS [4-6G]

Catalogue number: 151666
Sub-type: Primary antibody
Images:

Contributor

Inventor: Al Charest
Institute: Tufts University
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-cROS [4-6G]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Monoclonal antibody directed against cROS, a proto-oncogene with therapeutic target potential.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype: IgG1
Reactivity: Human
Selectivity:
Host: Mouse
Immunogen: Extracellular portion of ROS amino acid 1-285 fused to Fc, transiently expressed in 293 cells and purified using PtnA column chromatography.
Immunogen UNIPROT ID: P08922
Sequence:
Growth properties:
Production details:
Formulation:
Recommended controls: Cells transiently expressing human cROS, mouse cells expressing human cROS
Bacterial resistance:

Selectable markers:
Additional notes:

Target details

Target: cROS

Target alternate names:

Target background: c-ROS is a proto-oncogene tyrosine kinase, that is highly-expressed in a variety of tumour cell lines and belongs to the sevenless subfamily of tyrosine kinase insulin receptor genes. It is a type I integral membrane protein and may function as a growth or differentiation factor receptor. The c-ROS gene promoter region has been identified and characterized and it has been shown that the ectopic expression of c-ROS in tumours is tied to hypomethylation of a CpG island in the c-ROS promoter. Tumours with ROS1 mutations are typically responsive to small molecule tyrosine kinase inhibitors.

Molecular weight:

Ic50:

Applications

Application: IHC ; IF ; IP ; Fn ; 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: Store at -20° C frozen. Avoid repeated freeze / thaw cycles
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Cited by 24 subsequent publications including: ; Ivaska, J. et al. 2002. EMBO J. 21:3608-19.PMID: 12110574 ; Kermorgant, S. et al. 2004. EMBO J. 23: 3721:34. PMID 15385963 ; Pardo et al. 2006. EMBO J. 25(13):3078-88. PMID: 16810323. ; FGF-2 protects small cell lung cancer cells from apoptosis through a complex involving PKCepsilon, B-Raf and S6K2.