Anti-phospho Pax3 [Ser201]

Catalogue number: 156471
Sub-type: Primary antibody
Images:

Contributor

Inventor: Andrew Hollenbach
Institute: Louisiana University Health Sciences Center New Orleans (LSU)
Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-phospho Pax3 [Ser201]

Alternate name:

Class: Monoclonal
Conjugate: Unconjugated
Description: Pax3 is a transcription factor important for myogenesis and when dysregulated can cause pediatric solid muscle tumor alveolar rhabdomyosarcoma (ARMS). ARMS is primarily characterized by the t(2;13)(p35;p14) chromosomal translocation, which results in the oncogenic fusion protein Pax3-FOXO1. Using these phospho-specific antibodies it was demonstrated that the pattern of Pax3 phosphorylation at serines 201, 205, and 209 changes throughout early myogenic differentiation and that this pattern is different for Pax3-FOXO1 in primary myoblasts and in several ARMS cell lines.
Purpose:
Parental cell:
Organism:
Tissue:
Model:
Gender:
Isotype:
Reactivity: Human ; Mouse
Selectivity:
Host: Rat
Immunogen: synthetic peptide: NH2-CSERASAPQ(pS)DEG-CO2
Immunogen UNIPROT ID:
Sequence:
Growth properties:
Production details:
Formulation:

Recommended controls: IgG
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Phosphorylated Ser201 of Pax3

Target alternate names:

Target background: Pax3 is a transcription factor important for myogenesis and when dysregulated can cause pediatric solid muscle tumor alveolar rhabdomyosarcoma (ARMS). ARMS is primarily characterized by the t(2;13)(p35;p14) chromosomal translocation, which results in the oncogenic fusion protein Pax3-FOXO1. Using these phospho-specific antibodies it was demonstrated that the pattern of Pax3 phosphorylation at serines 201, 205, and 209 changes throughout early myogenic differentiation and that this pattern is different for Pax3-FOXO1 in primary myoblasts and in several ARMS cell lines.

Molecular weight:

Ic50:

Applications

Application: WB
Application notes:

Handling

Format: Liquid
Concentration:
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer:
Storage conditions:
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Apraiz et al. 2011. BMC Cancer. 11:477. PMID: 22061047.